HOUSE & GARDEN

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Household Equipment in this Issue

~1925
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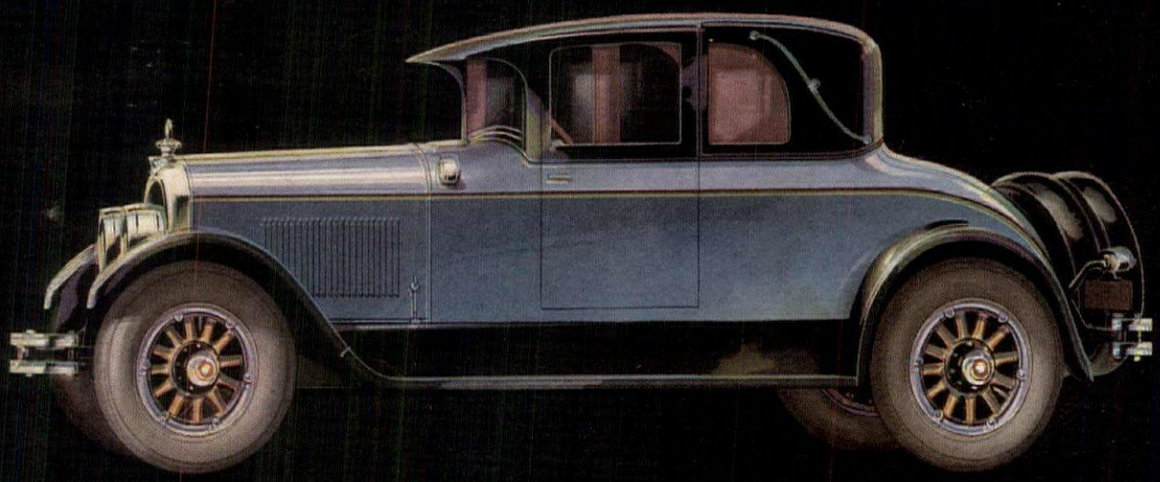
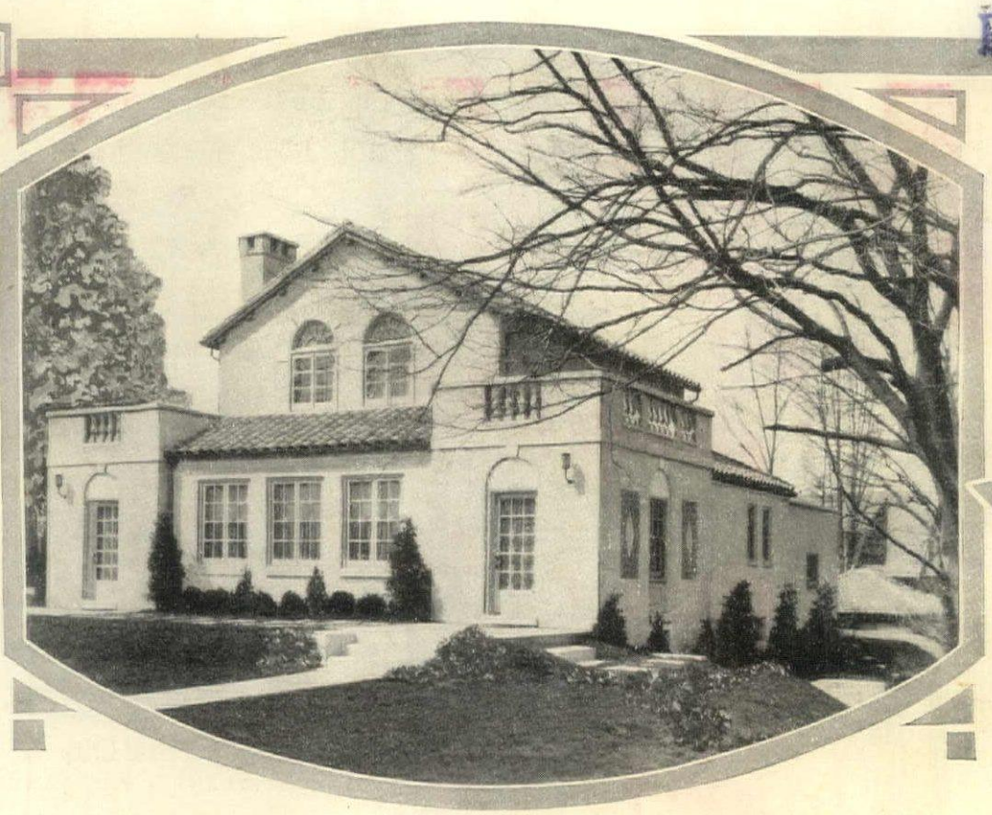
The NEW MARMON

"Its a Great Automobile"

Marmon announces a New Victoria Coupe, for four passengers, at practically open car price.



The new Victoria Coupe



CIRCULATING

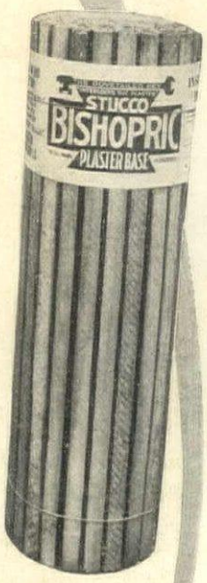
A PRODUCT OF BISHOPRIC PRODUCTS

The Residence of John Bartel, Esq., Richmond, Ind. modeled on the lines of Caruso's Italian Villa. Architect: H. H. Hiestand, Esq., Eaton, Ohio.

This residence is constructed of Bishopric Stucco over Bishopric Base on all exteriors.

THE DRUM

Bishopric Stucco is shipped in hermetically sealed metal drums. There is no waste or deterioration in storage and you are assured of absolutely fresh new material. The Roll and the Drum meet with the endorsement of architects, builders and satisfied home-owners throughout the world



THE ROLL

Bishopric Base comes to the building operation in large rolls containing 100 square feet. It is easily handled, quickly cut to desired size without waste—Bishopric Base saves 25% in plaster or stucco material and increases the strength of the building

Don't Just Wish for a Pretty Home—*Have One*

YOUR home in Bishopric Stucco over Bishopric Base will cost not a penny more than a frame house. And this is not all—by any means.

SAVE $1000.00

The painting bills of the average frame house amount to over $1,000 during a ten-year period. This is so much money *in the bank for you* when you build of Bishopric, for with Bishopric there is no painting.

A Bishopric Stucco home is an investment rather than an expense; an asset rather than a liability.

Bishopric Stucco you may have in a score of artistic finishes; in any attractive shade you desire.

Bishopric Stucco means permanency,—a beautiful house, warm in winter and cool in summer.

The first cost is low and the upkeep less than for frame construction.

You save now and for all time when you build with BISHOPRIC.

IT MEANS SOMETHING TO YOU WHEN THOUSANDS OF USERS ARE ENTHUSIASTIC ABOUT BISHOPRIC

THIS BOOK FOR YOU

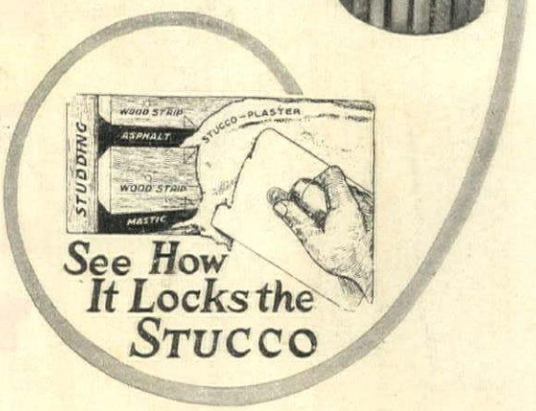
JUST ASK

Let us send you a mighty interesting booklet, "Bishopric For All Time and Clime," telling you with text and pictures, all about BISHOPRIC products and what they mean to you.

Bishopric is Sold by Dealers Everywhere

The BISHOPRIC MANUFACTURING Co.
727 ESTE AVE. CINCINNATI, OHIO.
NEW YORK CITY CINCINNATI OTTAWA, CANADA

The BISHOPRIC MFG. CO. OF CALIFORNIA
LOS ANGELES



Bishopric Base is first nailed securely to the framework of the building.

When Bishopric Stucco is mixed with water it becomes plastic. It is then referred to as mortar.

This mortar by means of a trowel is laid on over Bishopric Base, going over and in between the wood strips and locking into an inverted wedge clasp which holds forever.

Note how the wood strips of Bishopric Base are imbedded in a tough layer of asphalt mastic on a wood-fibre background which shuts out moisture, heat, cold and vermin.

BISHOPRIC STUCCO *over* BISHOPRIC BASE

"A Complete Wall Unit for all Time and Clime"

Zinc

A roof is exposed to the same condition
eaves-troughs, gutters and conductor pipes
too, must carry off the beating rain, resist
scorching sun and bear up under heavy s

It is logical to conclude that Horse H
Zinc—the unexcelled material for eaves-trou
gutters and conductor pipes—is also unexc
for standing seam roofing. Standing Seam H
Head Zinc Roofing will not leak, it ca
rust. It will last a lifetime—and it grows
beautiful with age.

The New Jersey Zinc Compa

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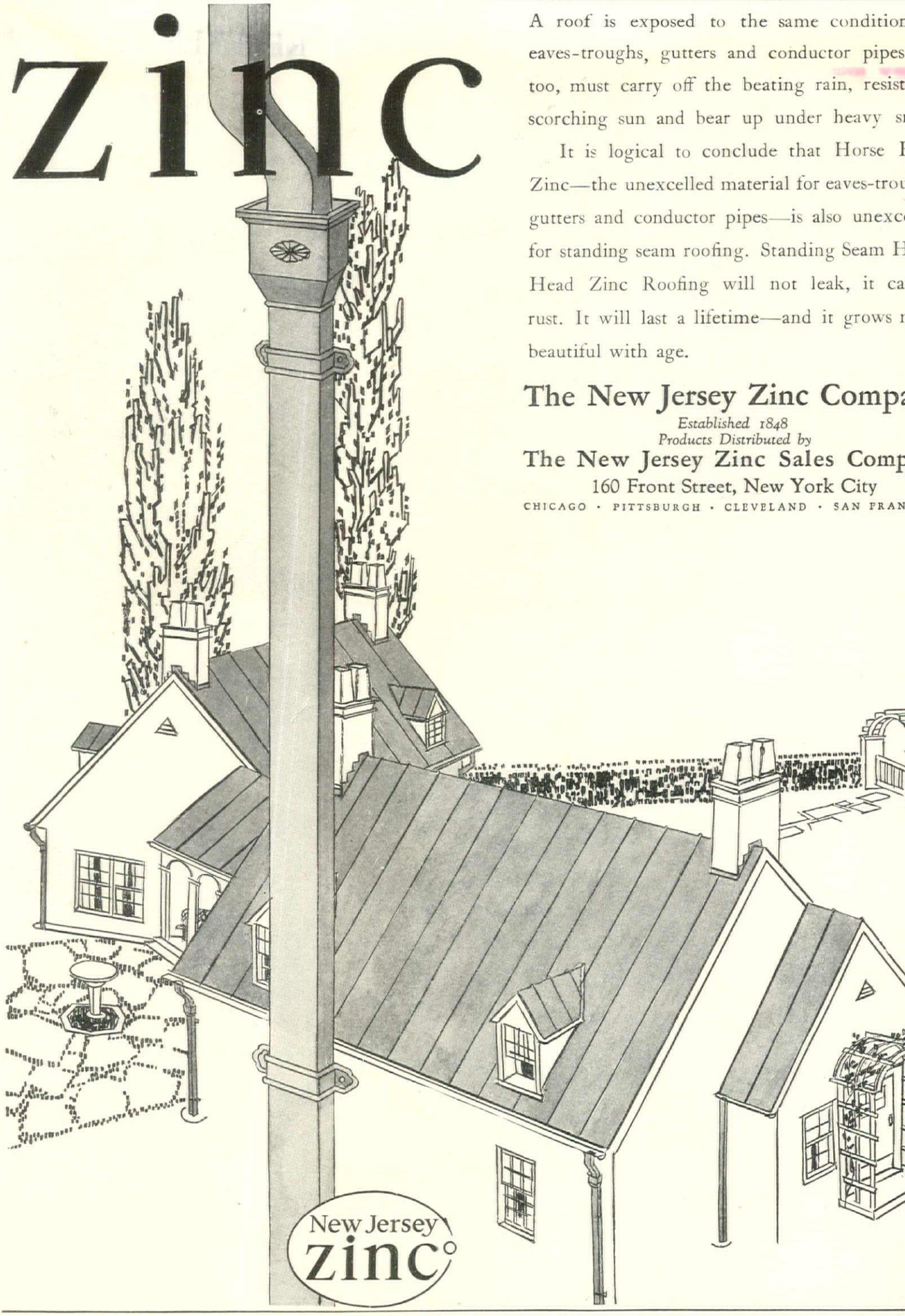

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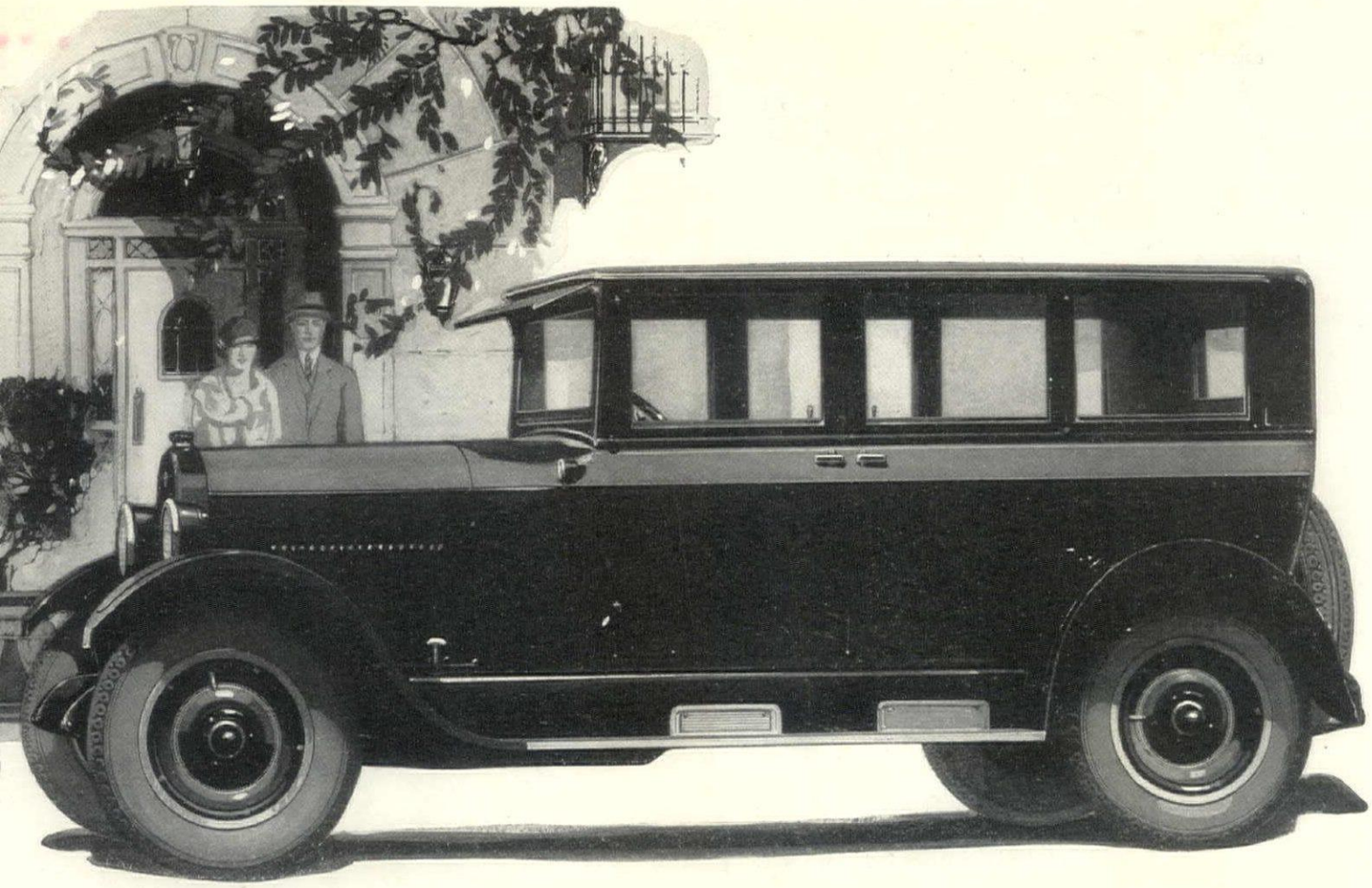


REO SERIES G SEDAN $1645 *at Lansing*

More than any other one thing, the purchase of a Reo carries with it a sense of investment rather than expenditure.

This may be attributed to such prime factors in Reo history as consistently high resale value, remarkably low depreciation due to changes in models and mechanical long life obtained through famously correct manufacturing principles.

Years of experience have enabled Reo to strike a happy juncture between high quality and good taste—and, as a result, Reo ownership is favored equally by common sense and good taste.

REO MOTOR CAR COMPANY · *Lansing, Michigan*

Kelly Flexible Cord

A NEW construction principle—*the Integral Bead*—gives to this newest Kelly Tire not only greater flexibility and resilience but also greater durability and strength. It is the outstanding tire building achievement of 1925.

"The best tire Kelly ever built!"

BUILD THE NATION SECURELY WITH

INDIANA LIMESTONE

The NATION'S BUILDING STONE

Interesting Facts About INDIANA LIMESTONE

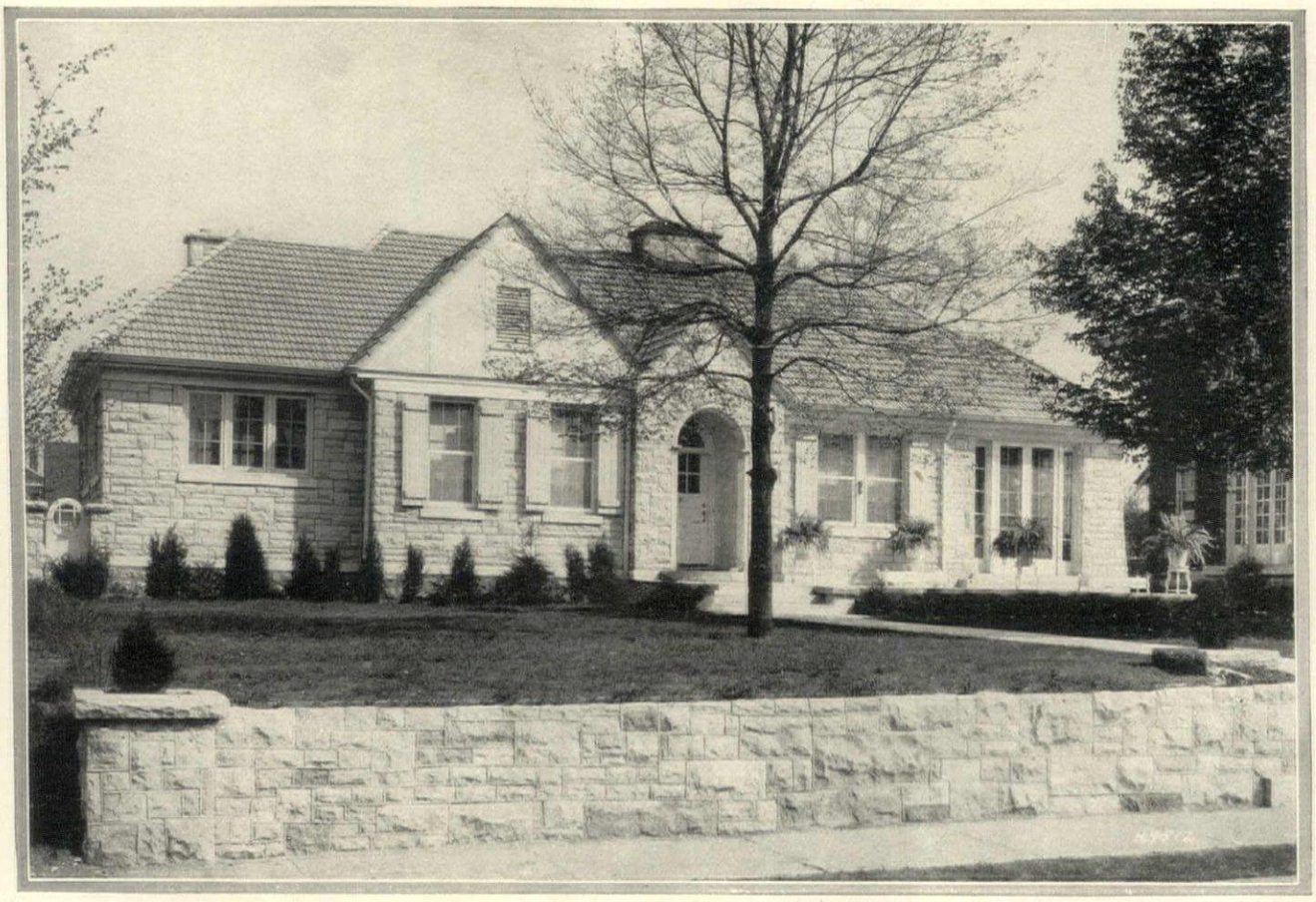
Number Seven

One of the most valuable qualities of Indiana Limestone is its great elasticity. A bar of stone 3 or 4 feet long can be noticeably bent or deflected by the application of sufficient pressure, and, when released, will instantly spring back to its original straightness. When struck with a hammer it gives out a clear, metallic bell note almost like that of a bar of steel. This means that Indiana Limestone is the most elastic of all kindred substances, and makes it the ideal material for the enclosure walls of steel frame structures.

INDIANA Limestone can now be used in small house and bungalow construction at a cost only slightly in excess of that of less durable materials. This is possible where short-length stock, including stone of various shades and textures, is used as a veneer, 4 inches to 6 inches in thickness, over a stud frame construction, or a backing of brick, hollow tile, or cement blocks.

In the attractive bungalow illustrated, Variegated Indiana Limestone having rough split and patched face was used as a veneer over sheathed stud frame wall construction. The cost of facing erected in place was approximately $1,500, or about $350 more than brick veneer would have cost. This increased the total cost of the home but a very small percentage over what it would have been if the exterior walls were finished with brick, stucco, or any other suitable material.

Our Portfolio of small house designs, conceded to be one of the finest collections of its kind to be issued by any building material producers, will be sent upon receipt of 50c. Address, Indiana Limestone Quarrymen's Association, Box 782, Bedford, Indiana



Residence of
H. McCor
Forest, Ill.,
lows and Har
itec

CRITTALL

Steel Casements

Distinguished effects are readily obtained by the use of Crittall Casements and Windows. They are made to varied sizes with special fittings or may be secured in standard sizes with attractive bronze hardware. In all cases they are built by hand and allow wide latitude in choice of style and treatment. Crittall Steel Casements possess the beauty of real utility, matching their handsome appearance with years of rugged resistance to storm and weather.

All Crittall Casements and Windows are made of Crittalloy—the Copper-Bearing Steel

CRITTALL CASEMENT WINDOW COMPANY Manufact

10963 HEARN AVE., DETROIT

National Interest—The Midsummer Sale of Macy Furniture

The Corner Shop

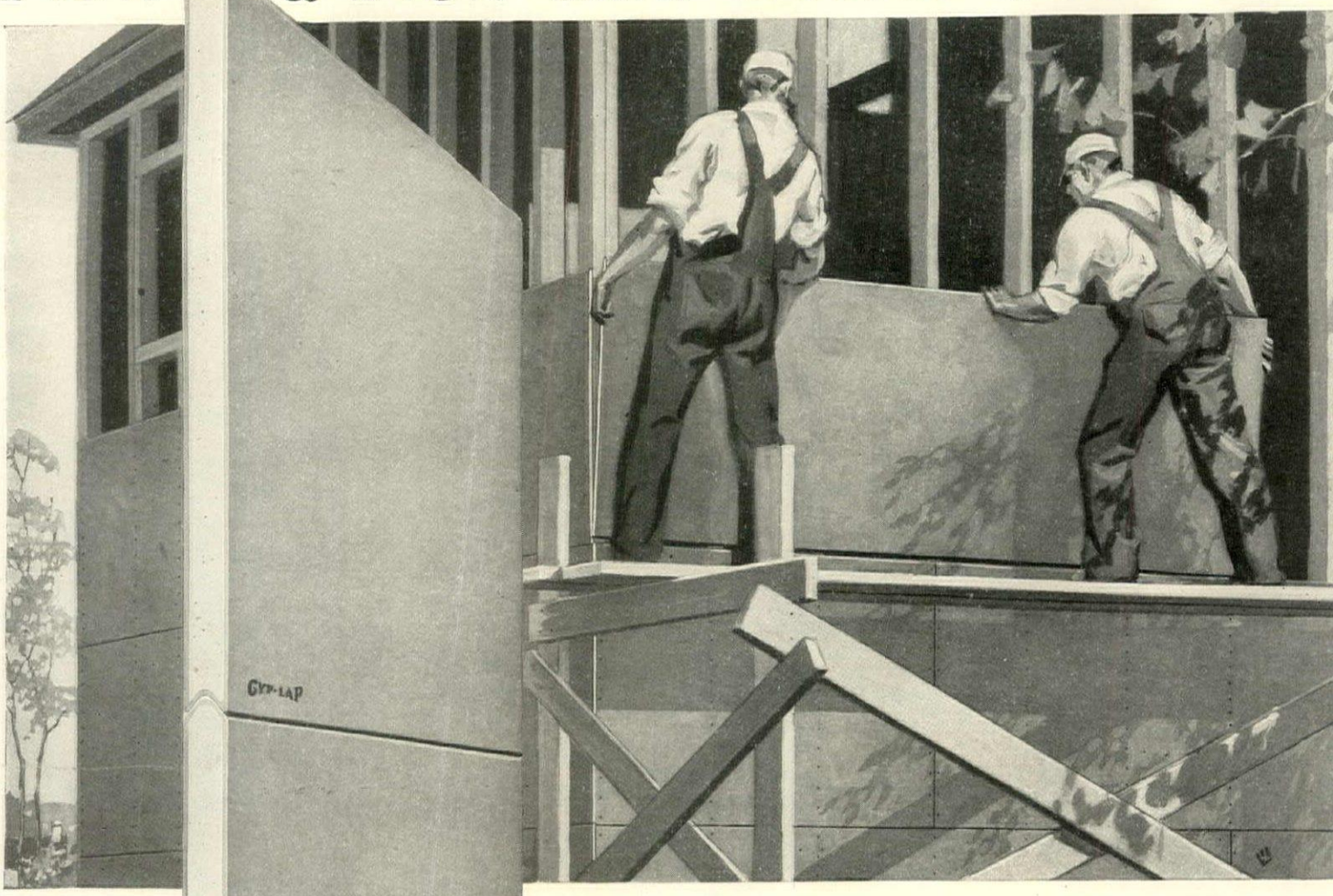
THE PHOTOGRAPHS *on this page show Macy furniture grouped by Macy's staff of interior decorators in the display rooms and model rooms on Macy's Seventh Floor. The accessories are from Macy's Corner Shop*

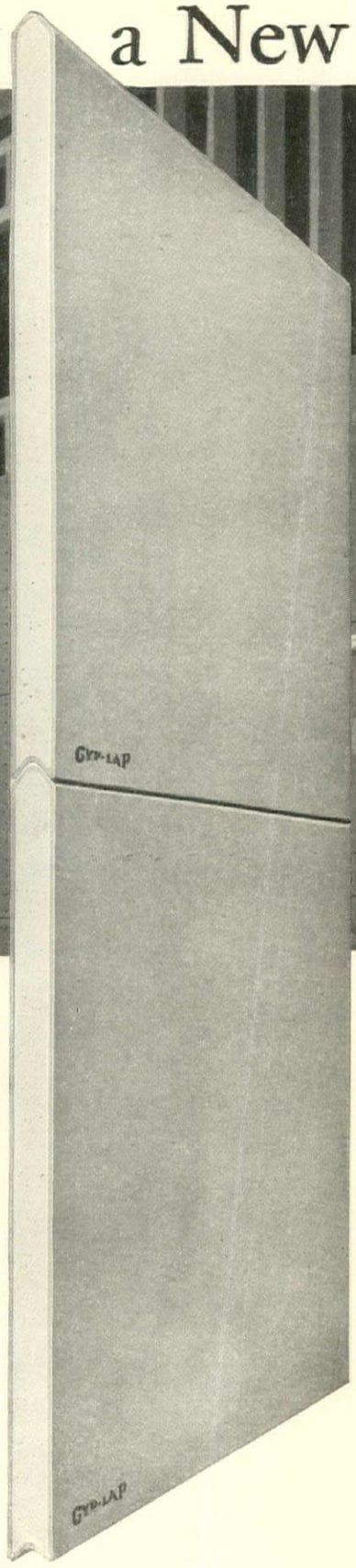
YOU are cordially invited to visit this most interesting furniture sale. Beginning August 3rd, and continuing through the month, it draws its patrons from all parts of the United States. They regard it, deservedly, as the most valuable of expositions of new and good furniture suitable to every home and every pocketbook.

Prices, with respect to quality, are always lower at Macy's than at any other store in New York.

R. H. Macy & Co. Inc.
34th ST. & BROADWAY NEW YORK CITY

Now a New and Better Sheathin





Patented interlocking edges assure a solid, wind-tight joint. Note the double thickness of building paper provided in Gyp-Lap construction

We now announce a new, better and more economical sheathing — **Gyp-Lap** — for frame, stucco or brick veneer building. Gyp-La is sheathing made of gypsum. Its inherent qualities combine th utmost of protective properties, and provide marked advantages ove ordinary sheathing materials.

Fireproof: Gyp-Lap being made of gypsum, cannot burn, ignite or transmit fire.

Insulating: Between its surfaces of specially-processed fibre Gyp-Lap has a core of gypsum that offers myriads of minute air cells (the best insulator known), resisting the passage of heat or cold, and the interlocking edges of Gyp-Lap make a wind-tight joint.

Strong: Made in large sheets, a full half-inch thick, Gyp-Lap adds extra rigidity to your building. It will not warp or pull away from the supports. It braces the entire structure. Gyp-Lap thus naturally supplies to buildings the *strongest* structural insulation know

Weather-proof: The broad, thick, insula ing sheets of Gyp-Lap set up an effective ba rier to the transmission of drafts, heat, dam and cold. Gyp-Lap keeps out the sun's he in summer and retains your valuable fu warmth in winter. With its weather-proofe surface, Gyp-Lap is a perfect backing fo stucco, brick or wood.

Most economical: It comes factory-cast, a ready to be nailed to the framework. It complete, requiring no building paper; cost no more than lumber and effects a grea saving in labor costs.

Your dealer in Sheetrock, lumber and *builders'* supplies sells Gyp-Lap or can get it for you promptly from our nearest mill. Write us for detailed information and a sample of this better sheathing.

Made only by the United States Gypsum Company

UNITED STATES GYPSUM COMPANY

General Offices: 207 West Monroe Street, Chicago, Illinois

U.S.G.

GYP-LAP

TRADE MARK REGISTERED

The *FIREPROOF* Sheathin

The *purer* the water the *greater* the need for Rust-proof Pipe

In most cities and towns, the water delivered by the main is filtered and purified.

But what avails the filtering if corroding pipes in your house pollute the water with particles of rust?

The water supply is clean and pure if it flows through rust-proof pipes of Anaconda Brass. Furthermore, you are protected against recurring repair and replacement bills as long as the house stands, because Anaconda Pipe *cannot* rust or clog with rust deposits.

Yet, installed in the average $15,000 house, this protection to the health and comfort of your family costs only about $75 more than corrodible pipe.

May we send you a copy of "Ten Years Hence"?

THE AMERICAN BRASS COMPANY
GENERAL OFFICES: WATERBURY, CONNECTICUT
Canadian Mill: ANACONDA AMERICAN BRASS LTD.
New Toronto, Ont.

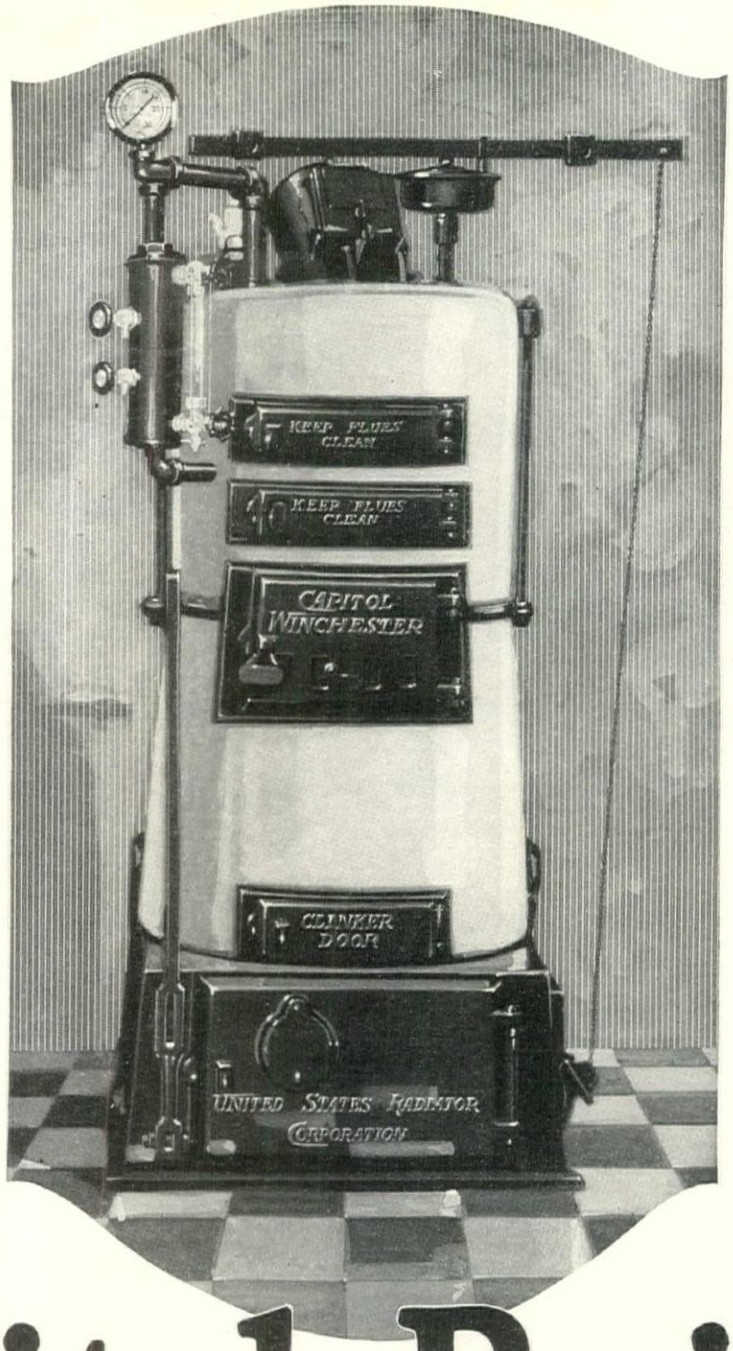
ANACONDA
from mine to consumer

Anaconda Copper, Brass and Bronze Products eliminate costly repairs and replacements in building construction because they do not *rust*.

Brass Pipe for water supply, Roofing Copper for gutters, leaders, etc., and Bronze Window Screens last indefinitely. They are cheapest in the long run.

ANACONDA BRASS PIPE

Installed by leading Plumbing Contractors everywhere



Capitol Boilers

In heating equipment there is but one true test of quality. It is the service record of actual installations over a long period of time.

With Capitols, this record covers more than thirty-five years — practically the entire period of development in highly efficient steam and hot water heating.

There is no way to dismiss the reputation of Capitol Boilers because that reputation is lodged in the experience of thousands of users who know that Capitols have never failed them.

These people — supported by the Heating Contractors of the nation — are authority for the statement that there is no better boiler than a Capitol.

UNITED STATES RADIATOR CORPORATION

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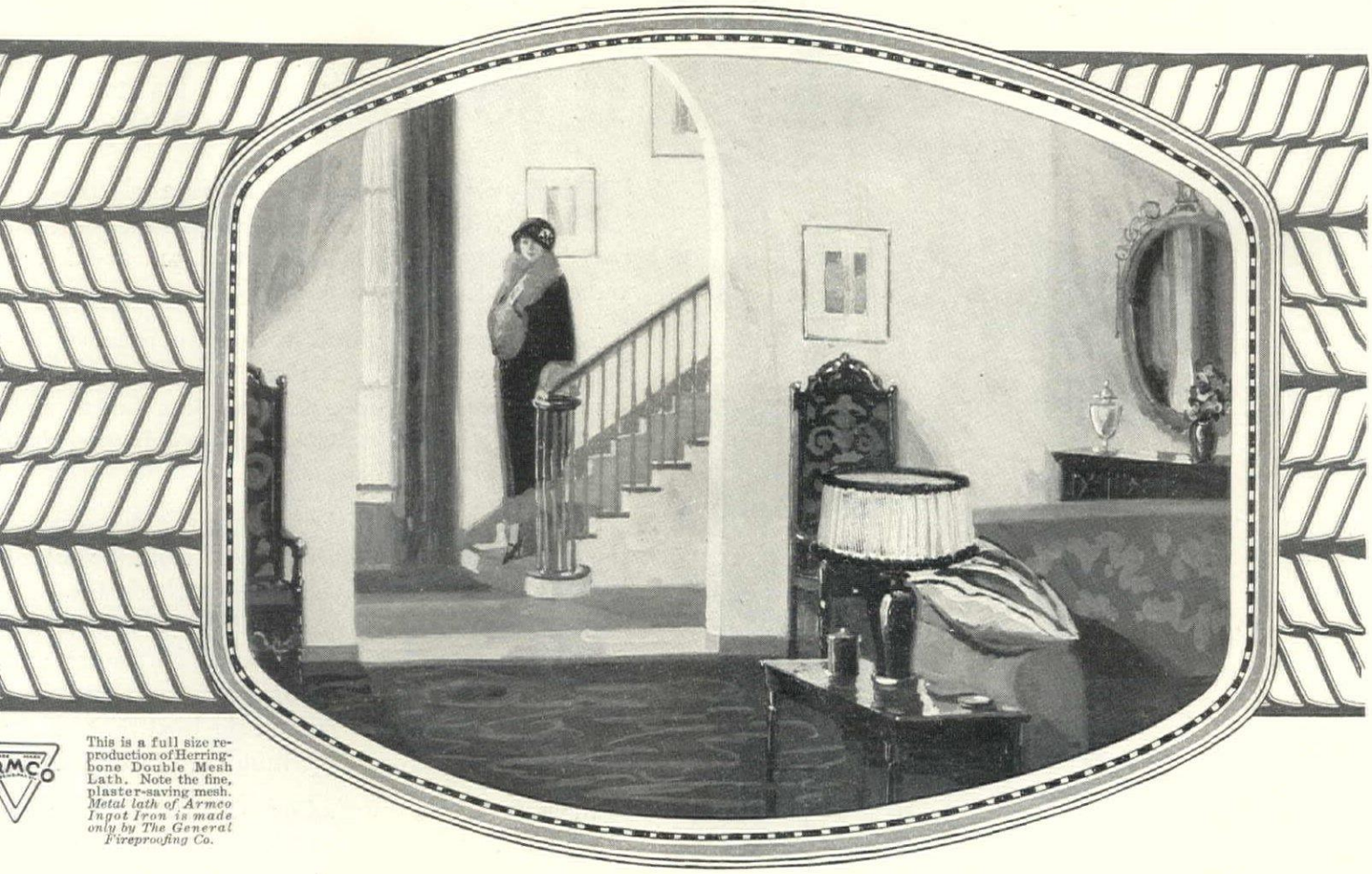
*Warehouse stocks carried at all points except those indicated by star

Beautiful, Unblemished Interiors



This is a full size reproduction of Herringbone Double Mesh Lath. Note the fine, plaster-saving mesh. *Metal lath of Armco Ingot Iron is made only by The General Fireproofing Co.*

Made Permanent by Herringbone

THE most beautiful walls *can* crack. The finest ceilings *can* be disfigured by lath streaks and checks. These things are to be expected when you build the ordinary way.

But *not* when the plaster is reinforced and preserved by Herringbone Metal Lath.

Metal lath, of course, is superior to the old fashioned wooden kind. And Herringbone possesses certain definite advantages over all other metal lath. It has a remarkably fine, small mesh, which literally becomes embedded in the plaster.

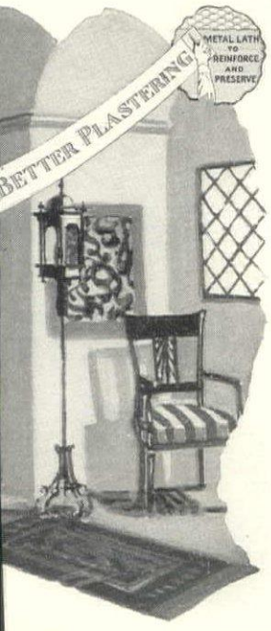
Sudden jars cannot loosen its grip. Even the slow warping of wood supports—that bane of builders—cannot crack plaster held so firmly and so securely in place. Each square inch of surface has a permanent, unyielding key in Herringbone.

You can easily understand how Herringbone Metal Lath cuts down depreciation—saves replastering, frequent repapering and redecorating. And what an effective barrier against fire!

Ask your architect or builder about Herringbone. He will tell you it has many other advantages. And most remarkable of all, it costs but little more than ordinary wood lath—actually less in the end.

Write for our instructive booklet, "Building for Permanence and Beauty." It will interest you.

Member National Council for Better Plastering



THE GENERAL FIREPROOFING COMPANY, YOUNGSTOWN, OHIO

Branches and Sales Agents in Principal Cities

GF Herringbone Rigid Metal Lath

It's cooled off outside — why is it so hot in here?

THE sweltering heat that banishes sleep is the heat that soaks through walls and roof, exposed all day to the blaze of the sun, and keeps radiating into the rooms long after the sun has set.

Line your walls and roof with Armstrong's Corkboard and you shut out that heat. That is what insulating means — heatproofing your house with a material that is a better non-conductor than brick, tile, stone, concrete or wood.

An inch and a half of Armstrong's Corkboard has the heat-retarding value of a solid brick wall 24 inches thick. So effectively does it check the passage of heat that for more than 25 years it has been used to insulate cold storage rooms, ice plants, and the best refrigerators. And it will keep your house cool in summer by shutting out the heat that passes so easily through ordinary building materials.

In winter, Armstrong's Corkboard works just the other way. It keeps warmth *in* and makes your house easy to heat, comfortably and evenly, with a smaller heating plant and considerably less fuel.

The comfort of houses already built can be materially increased by insulating under the roof or over the top floor ceiling.

Mail the coupon for a booklet giving complete information. Armstrong Cork & Insulation Company (*Division of Armstrong Cork Company*), 193 Twenty-Fourth Street, Pittsburgh, Pa. Canadian office, McGill Building, Montreal, Quebec. Branches in the Principal Cities.

Armstrong's Nonpareil Corkboard Insulation

Trade Mark

for Residential, Commercial and Industrial Buildings

GENTLEMEN:

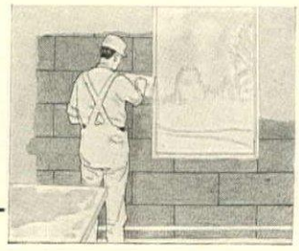
Please send complete information about the insulation of dwellings with Armstrong's Corkboard Insulation.

Name.....

Address.....

.....

H. & G. 8



Regular house plaster goes on Armstrong's Corkboard with less effort than on lath, and with better results. Slow setting reduces the possibility of cracking.

Included among the many owners of Jewett Refrigerators are:

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New York

J. D. Rockefeller, Jr.
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Cornelius Vanderbilt
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Rhinebeck, N. Y.

George Eastman
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Payne Whitney
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Huntington, L. I.

Seth Thomas
Morristown, N. J.

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In every fine kitchen where refinement and ultimate cost are the basis of choice, in notable mansions, exclusive hotels and clubs where every detail must conform to the exacting standards of guest, owner and architect, Jewetts predominate. ¶ Whenever you want the best refrigerator that human ingenuity can devise and over 76 years of painstaking experience in the manufacture of high grade refrigerators create, whenever you want a product that will outlive even your greatest expectations, specify the Jewett. ¶ Our illustrated booklet will be mailed to you on request.

THE JEWETT REFRIGERATOR COMPANY
123 Chandler Street — *Established 1849* — Buffalo, New York
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Jewett compart- is cast in one of solid porcelain thick without s, cracks or s and with full ed corners.

JEWETT

SOLID PORCELAIN REFRIGERATORS

Old methods are translated into terms of modern living, in this New England country house. . . . One of 500 illustrations from the 192 pages of House & Garden's Second Book of Houses.

© House & Garden

Just Published!

House & Garden's Second Book of House

Edited by RICHARDSON WRIGHT

Practical, detailed, exact, but withal beautiful—that's what House & Garden's editors have made House & Garden's Second Book of Houses.

How to do almost anything in the building of a house—from how to insulate walls to how to install roof and windows. *Where to get* almost anything for the building of a house—from a first class architect to a ton of tile. With names and addresses. A book of tested facts, plans, and pictures. It contains:

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Construction of a House. Step by step, from t selection of the site through plans, foundatio windows, wiring, heating, stairs, bathroom mouldings. Each step in construction based on t latest advances in building.

Sixty House Plans. A portfolio of sixty fine re dences, with complete plans. Also garages, a log cabins.

Lastly, a manufacturer's catalog of building mat rials, and a directory of architects.

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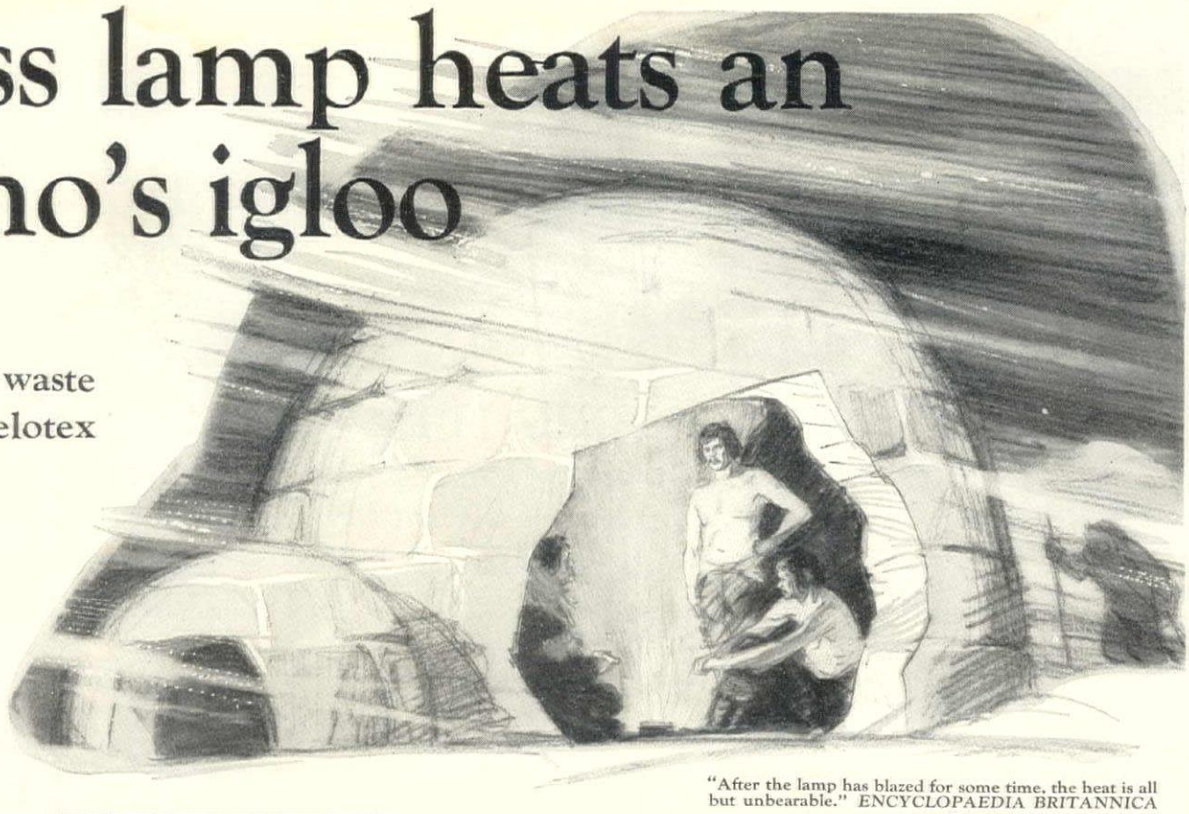
HG 8

moss lamp heats an Eskimo's igloo



"After the lamp has blazed for some time, the heat is all but unbearable." *ENCYCLOPAEDIA BRITANNICA*

ivilized homes waste their heat. Celotex ating Lumber avoidable waste with- dding to ing cost

oss lamp is sufficient to heat o's igloo—because its walls *ted.*

particles of "dead air," held the snow blocks, provide nsulation—the most efficient science.

esent-day homes of ordinary on *waste* two-thirds of the comes from the furnace. of this heat naturally es- rough windows and doors. third is *unnecessarily* wasted. easily through uninsulated roofs. Ordinary building cannot hold heat in.

ex stops heat waste

waste can be stopped with- g to building cost. Celotex, f's first *Insulating Lumber,* it possible.

is made by converting the gh fibers of cane into broad, rds of durable lumber with ile strength and stiffness.

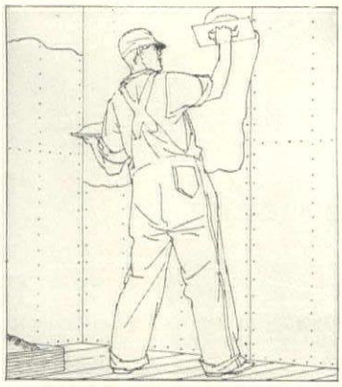
ed with millions of sealed air ch give it high resistance to e of heat.

has been used in thousands ator cars to keep heat *in* dur- r and *out* during summer. lls of a house it serves the pose; it checks heat leakage. s *heat insulation.*

re comfort—lower heating cost

otex home the common heat-

Celotex is applied directly to studding, in place of wood sheathing



Celotex is used on inside walls and Gypsum or wood fibre plaster is applied to it

ing troubles disappear. No more cold upstairs rooms, draughty floors, chilly closets, or "cold sides" when the wind blows from certain quarters. Instead —cozy comfort and healthfulness on even the coldest winter days.

Celotex pays substantial dividends in fuel saving the very first year and every year after.

A Celotex home costs far less to heat. In addition a smaller, less expensive heating plant is required. Fewer radiators are needed.

Celotex not an extra

A Celotex home costs no more to build than an ordinary uninsulated house.

Celotex is used in place of wood lumber as sheathing on walls and roof. It simply replaces and saves the cost of wood lumber and any form of insulation. It is stronger in wall sections than wood lumber.

Celotex provides insulation without added cost—because it *combines* great structural strength with high insulation value.

Celotex is also used as a plaster base, replacing lath. Celotex *bonds* with plaster and produces a much stronger wall than lath and plaster. Here again it provides insulation at practically no extra cost.

Additional benefits

In summer Celotex keeps homes cool. It shuts out the sun's heat and retains the coolness of the night. Even during the hottest summer months your Celotex home will be pleasantly comfortable day and night.

Celotex homes are restful and quiet. Celotex has great ability to prevent the transmission of sound. It eliminates the use and cost of deadening materials —yet gives all their advantages.

Ask your architect, contractor or lumber dealer

Before you build or buy your home, get all the facts about Celotex. Your architect, lumber dealer or contractor will explain it to you fully—ask them.

When you plan and build, use Celotex. Your lumber dealer has it in stock or can secure it quickly.

When you buy a completed home, demand one built with Celotex. Tell your real estate agent or builder what you want—and insist on getting it.

No house is modern unless properly insulated. Build your home with Celotex and insure its future sales value.

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Contains information every home builder should have. Fully illustrated in color. Don't build or buy until you have read it! Mail the coupon now.

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THERE IS A USE FOR CELOTEX IN EVERY BUILDING"

FREE *Building Book*

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Please send me your free illustrated building book

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You can have clothes closets like this in your home at small cost

Make your clothes closets as up-to-date and beautiful as the rest of your home. Write today for our new free booklet showing many attractive plans for modern, convenient clothes closets made possible by installing simple, inexpensive Knape & Vogt fixtures.

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and Open or Close Your Garage Door Electrically

THE *Electric Door* operates from a plate in the driveway, and enables you to either open or close your garage doors without getting out of the car, or even taking your hand from the wheel.

When you are in a hurry, or the rain is pouring down, it is always ready to serve you. Saves time, clothes, and temper, and permits full enjoyment of a closed car.

Simple, safe, durable, reliable. Designed especially for the private residence garage. Operates 100 times for 2 cents. Easily installed. At Electric Dealers or direct from factory $125 complete, f. o. b., Ithaca, N. Y.

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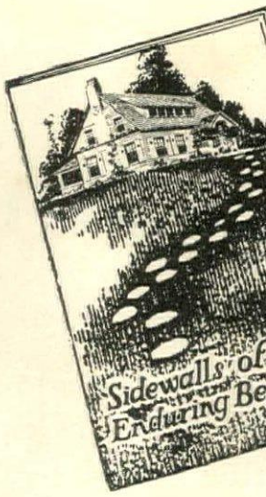

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This book tells you the inte
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For any suburban home— FRESH
Running Water

Those who live in suburban or isolated homes need no longer rely on the inadequate and inconvenient plan of pumping and carrying water. The HOOSIER WATER SERVICE brings the advantages of city water to any home, anywhere, at less than city water cost. The HOOSIER uses any supply and any power. Easy to install and to operate. Low first cost and very small operating expense. Electric installations are automatic, needing no attention.

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Roofs Flagging *and* Stepping Stones

Interesting shapes and choice colorings.

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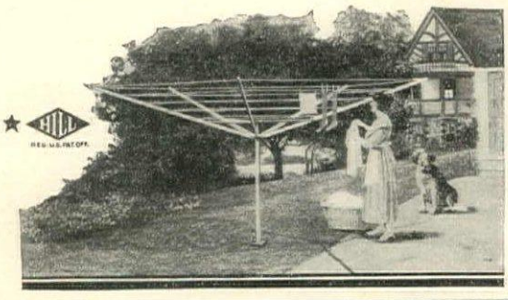
A BEAUTIFUL CLOTHESYARD

After your clothes drying is over, your clothesyard can be as beautiful as the front lawn if you use a

Hill Champion Clothes Dryer

Folds up and can be easily removed when not in use. Has 150 feet of line within easy reach from one position. Made of high grade materials to last a lifetime. Write for folder G which gives complete information.



HILL CLOTHES DRYER CO.
52 Central St.,
Worcester, Mass.

A READER W

a letter to the T
Man, that you
read over his shou

"The first part of ou
nearly completed, an
starting on the Ard
would like to tell you
your arrangements w
fect, and we have n
moment's bother or
ance since we left
We have been ex
comfortable here, a
dame ——— has be
than kind. . . . No o
izes better than I do
ble that was required
all these arrangem
complete, and I am
grateful."

On YOUR trip to Eu
not have all arra
made . . . perfectly
out extra charge

THE CONDÉ NAST TRAV
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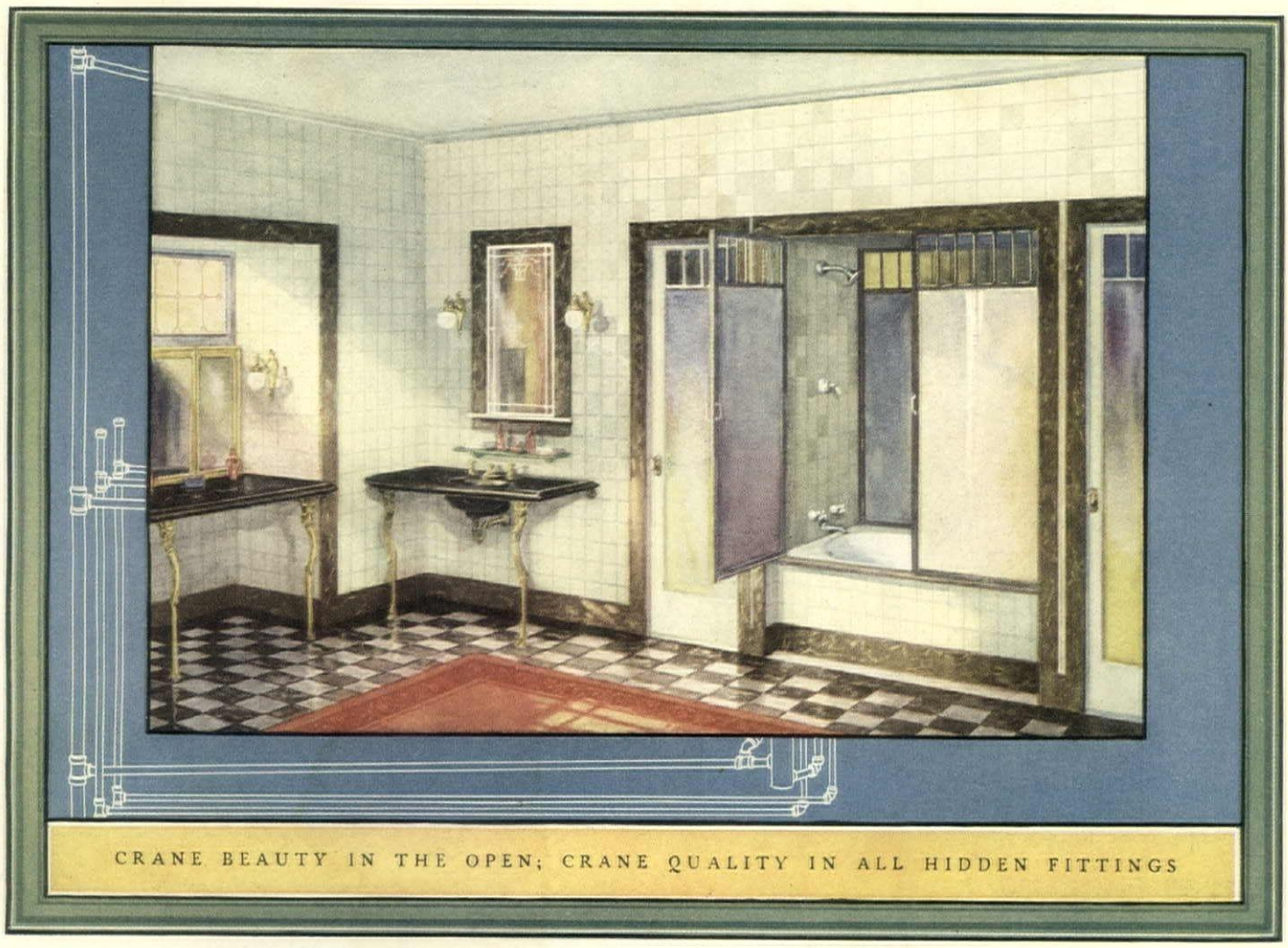

Given adequate space, your architect will take delight in designing bathrooms which unite luxurious comfort and beauty. The more readily since he can now secure distinctive materials and fixtures suited to any scheme which he may create.

Twin dressing rooms, with an inclosed bath and shower between, are presented here. The *Tarnia* bath of cream-white enamel on iron may be entered from either room. Doors of opaque glass form a lighted, ventilated, splash-proof inclosure. The walls are of ivory tiles with borders in the same gold-veined black marble as the *Neumar* lavatory and dressing table.

Crane plumbing and heating fixtures are sold by responsible contractors everywhere in a broad variety of styles and sizes at prices within reach of all. Write for our booklet of color suggestions, "The New Art of Fine Bathrooms."

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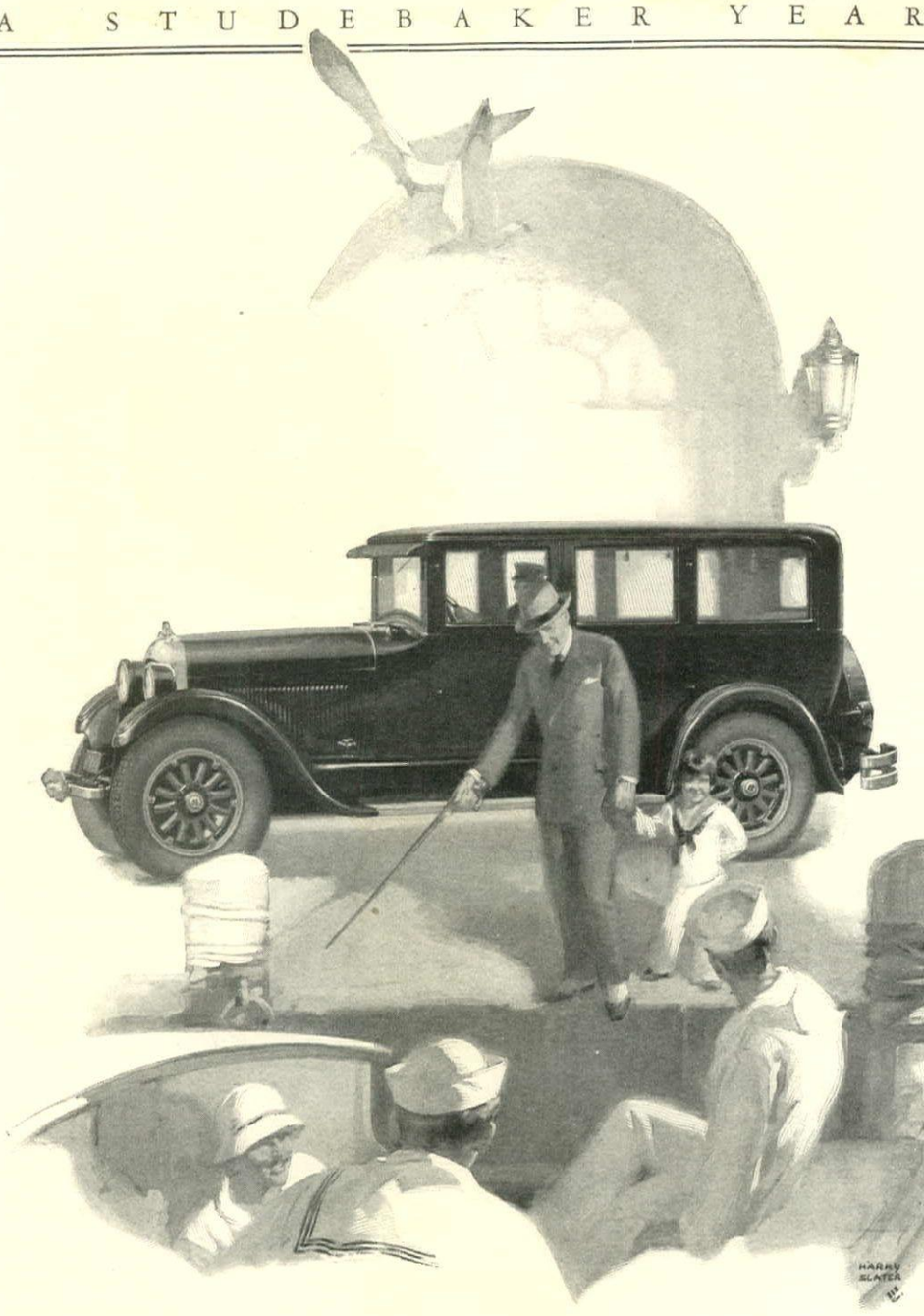
Fixtures priced for modest homes; others for luxurious houses, apartments and hotels.

What We Mean *by a* "ONE-PROFIT" CAR



ONE PROFIT! There's the reason why Studebaker can sell the Big Six Sedan at $2575, f.o.b. factory, when other cars of comparable quality cost from five to fifteen hundred dollars more.

Only one manufacturing profit included in the Studebaker price! And three or four manufacturing profits included in the prices of most other cars!

Studebaker's unique manufacturing facilities furnish the explanation. For Studebaker builds its cars complete — body as well as chassis — in its own huge plants. This saves the three or four extra profits which other manufacturers have to pay to outside parts and body-makers. Unburdened by extra profits, Studebaker prices are much lower.

In addition, the Studebaker Big Six Sedan is built in large volume in company with two other chassis models.

Thus Studebaker can afford to use finest materials and supply finest craftsmanship in manufacture.

Every Studebaker owner knows this — knows that the quality of his car cannot be bettered — knows that the value positively cannot be equaled within many hundred dollars of the price.

And any fair-minded man or woman will agree after making comparisons.

See the Studebaker Big Six Sedan on the boulevard. Immediately it impresses you as a car of unusual distinction. Step inside and note the deep, restful seats for 7 passengers. Rich upholstery of genuine mohair — not cotton or wool mixture but the silky fleece of Angora goats. Walnut-finished door panels and garnish moulding. Metal hardware of butler silver finish. Dome light, corner reading lights, included in the appointments.

Try it out on your favorite stretch of r preferably a hill—and observe the power smooth flexibility, the lightning-quick celeration. The engine is 75-horsepow perfectly balanced because the cranksha fully machined as in the most exper makes.

Out of 59 cars manufactured in the Ur States today, only 8 have more power the Studebaker Big Six Sedan.

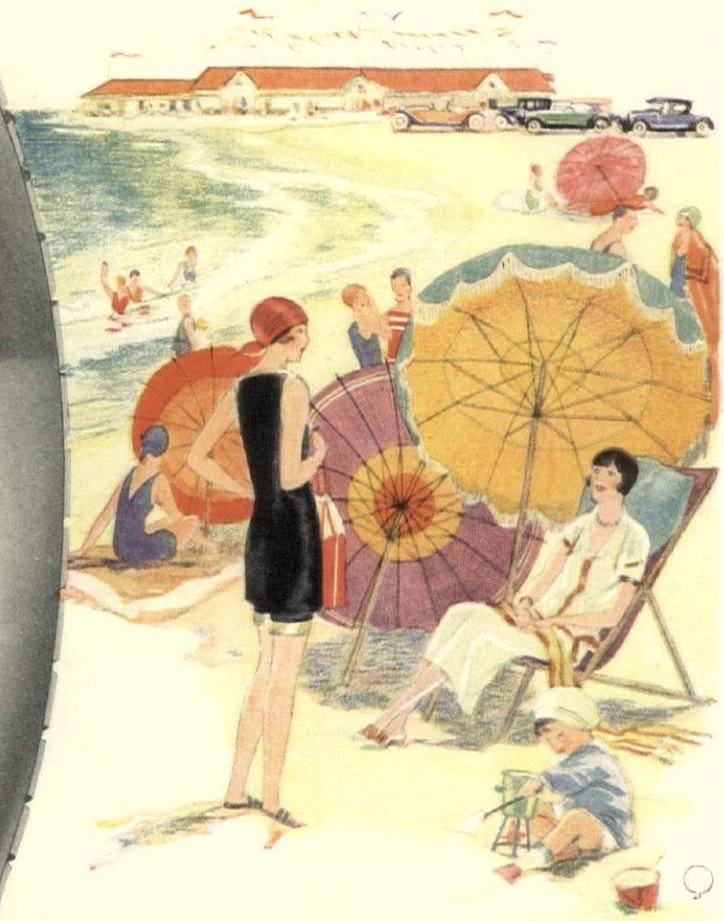
And they range from 113 per cent to per cent higher in price.

The Studebaker dealer in your town gladly place this car at your disposal. Pl him today — find out for yourself the standing value offered.

STUDEBAKER

Big Six Sedan, $2575, f. o. b. factory

UNITED STATES TIRES ARE GOOD TIRES



To understand why U.S. Royal Balloons are known as "the Balloon Tire Principle at its Best," consider these facts –

KEEP this in mind—the comfort you get out of balloon tires depends on how *soft* you can run them with safety to the tires.

U. S. Royal Balloons are built in strict accordance with the *original ideal* of balloon tire cushioning — *true* low air pressure.

They can be run at pressures which actually give you the comfort you expect from a balloon tire.

They do not have to be over-inflated to save them from early, uneven and disfiguring tread wear.

This is because their flat "Low-Pressure Tread" distributes the weight over a greater tread area than the ordinary round tread. The entire surface of the tread comes in contact with the road.

The tire itself is built of the famous Latex-treated Web Cord which gives the maximum strength and maximum flexibility so essential to balloon cushioning.

Put U. S. Royal Balloons on your car and enjoy the comfort of riding on *genuine* low air pressure.

United States Rubber Company
Trade Mark

U.S. Royal True Low Pressure Balloons

Built of Latex-treated Web Cord

All alone,
again—

Listerine used as a mouth wash quickly overcomes halitosis (unpleasant breath).

7^00 a.m. ~ and a warm house to dress in!

Not a Glance at the Heating Plant for Weeks at a Time

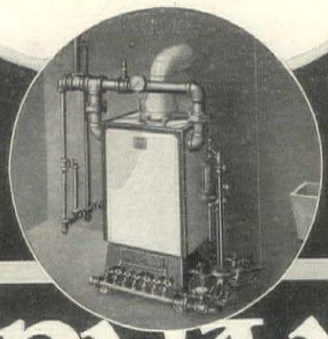
Gas heating is absolutely carefree. No need even to glance at the heating plant for weeks on end.

The warmth of your home is exactly and automatically adjusted to day temperature and to night temperature at the precise hours you wish—*without a thought of attention!*

Ashes, soot, smoke, oily vapors, odors—all these nuisances are banished from the home equipped with a good gas heating plant.

The wonderful convenience and comfort of automatic gas heating are well within reach of home owners in almost all sections of the country. Detailed information will be supplied gladly. Write for booklet.

Bryant offices are maintained in twenty principal cities. If not listed in your local 'phone book, write to The Bryant Heater & Mfg. Co., 976 East 72nd St., Cleveland, Ohio.



BRYANT HEATING

AUTOMATIC GAS

for Hot Water Steam *or* Vapor

GREGORY

JIFFY-DINE

"Convertible in a Jiffy"

Such charm!— so very very convenient!

SOME FOLKS make home so much more cozy than others! And for just these—for folks who strive to make their homes shrines of hospitality and happiness — the Jiffy-Dine convertible library and dining table has been perfected!—and it is being most heartily received by modern home-makers.

Pull knob to lift top

The Jiffy-Dine is transformed from a delightful library table into a dignified dining table in three simple operations with no effort whatever! Pull the knob to lift top, draw out leaves, push knob to drop top, and the Jiffy-Dine neat library table is now a wonderful table at which eight can dine!

Draw out leaves

To convey the idea of charm and dignity in furnishings *does* take careful selecting and arranging does it not? Apartments and small houses are so apt to be over furnished or furnished with no center of interest! But home-makers will find it easy to "build around" the Jiffy-Dine—its design and finish make it a pleasing complement to any home. Your local furniture dealer probably already has this wonderful table in stock. If not, he can readily obtain it for you—and it is very very reasonably priced!

Push knob to drop top

Fill in the coupon and receive a folder of various styles!

GREGORY FURNITURE MANUFACTURING CO.
2901-25 STEELE STREET, TACOMA, WASH.

Gentlemen: Please send your folder, illustrating the various styles of the Gregory "Jiffy-Dine."

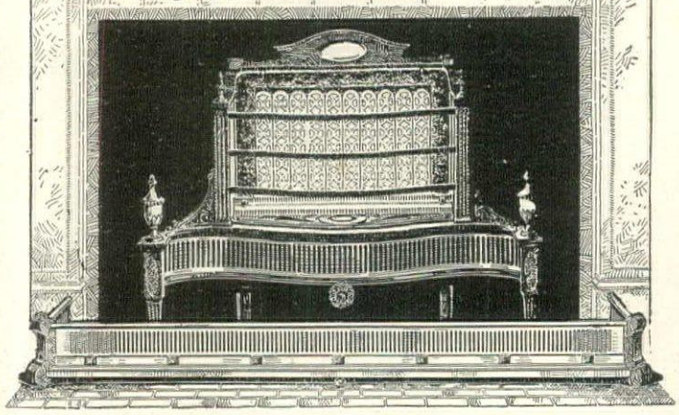
Name _____

Address _____

Furniture Dealer _____

The HUMPHREY Radiantfire

Choice Reproductions of Early English and Colonial Periods



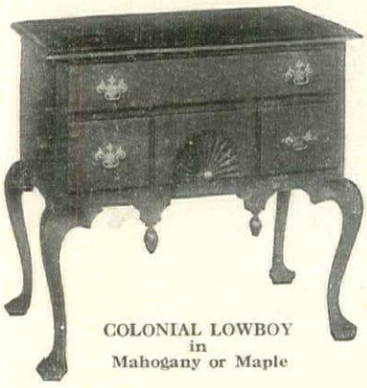
In addition to standard period models the Humphrey Radiantfire is available in special replicas of 17th century English coal baskets. All designs are authentic — a perfect combination of old world artistry and the best form of modern gas heating.

The Humphrey Radiantfire is sold by your Gas Company or dealer. Booklet upon request.

GENERAL GAS LIGHT COMPANY
NEW YORK CITY KALAMAZOO, MICH.

Early American Reproductions

The period that lasts forever. The illustration shown is one of the many beautiful and substantial pieces in our line. Our output is limited by the painstaking care expended to make each piece truly worth while in design, material, finish and workmanship. These are not genuine antiques, but in every respect excepting age, are duplicates of the originals which sell at such prohibitive prices. A most useful piece in Living room, Hall or Dining room.



COLONIAL LOWBOY in Mahogany or Maple

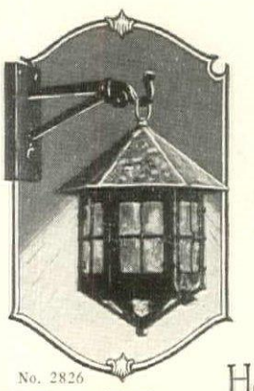
SIZE 36" wide, 20" deep, 30" high

SPECIAL OFFER

in Mahogany — $67.00, Maple—$72.50, delivered to any part of the country

Safe delivery guaranteed. Sent on receipt of price or C. O. D. with $20.00 deposit. Guaranteed as represented or money refunded. Send for our Portfolio G-7 of other Colonial Reproductions.

WINTHROP FURNITURE CO.
424 Park Sq. Bldg., Boston, Mass.



No. 2826

$9.75 Lantern 9 in. Bracket 7½ in.

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More Beauty in Your Home

Homart Hammered Iron Lanterns and Hand-Wrought Candelabra lend a quaint and charming touch to the home furnishings. Incomparable values. Satisfaction assured.

Write for Folder Describing Other Designs

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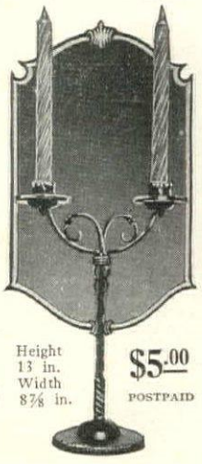

Height 13 in. Width 8⅞ in.

$5.00

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Easy!

NO MORE need you stoop conquer dark, dirty pla under radiators. E-Z Radia Hangers hang legless radiat from the wall, off the flo leaving ample unobstruc room for mop, broom, clea or polisher (See diagram).

Use E-Z Hangers when you bu or remodel. It's the new, ea sanitary way. No dirty spots u der radiators. Legless radiat cost no more. Write for illu trated brochure and learn how save many back-breaking hou

HEALY-RUFF CO.
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E Z
RADIATOR HANG

NOW you can have bea ful, colorful walls low cost. Fox's Mural gives the soft, rich, velv effect so desired as ba grounds for furniture a pictures. It is "a perfect finish"—easy to apply over p ter, wall board, burlap or pl tight wall paper.

A single afternoon's work transform one room without o or muss and at a cost of only $2.45! Send for color suggestions and the Muralite folder.

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A PAIL A BRUSH HOT WATE
MURALIT
MAKES A PERFECT WALL FIN

AN BOOK

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OOK IS A REAL HELP
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NTAINS OVER 300
LUSTRATIONS OF
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D, brick, stucco—whatever
home may be on the *out-*
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res out of ten start inside the
often in the basement.
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night the house is ablaze.
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aximum safety and perma-
l beauty as well, plaster over
, "a safety curtain of steel."

OSTWICK STEEL LATH CO.
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Monday Morning—

Start the Week Smiling with a Refreshing Breakfast of KELVINATED FOODS

After a summer Sunday—when Monday morning dawns sunny and hot—what do you find in your refrigerator to *tempt* breakfast appetites? What do you serve to start the week right?

Kelvinated foods just fairly coax midsummer appetites. Taken from the cold frosty air of a Kelvinator-chilled refrigerator they are irresistible.

Think of sliced oranges, served ice-cold;—of canteloupe or grapefruit, chilled through and through; or of home-canned fruits, served cold in their rich juices.

Think of the cream for your cereals cold and refreshing.

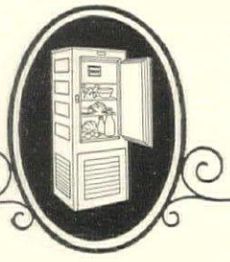
The delightful thing about Kelvinator Refrigeration is that it is just as frosty and cold after a week-end as at any other time. It stays that way without attention. You need never worry about ice melting over Sunday, and Monday morning finds foods cold, delicious and wholesome.

Your local dealer can put Kelvinator in the refrigerator you are now using. Phone him, or write to us for interesting literature.

KELVINATOR CORPORATION. 2079 WEST FORT STREET, DETROIT. MICH.
Kelvinator of Canada, Ltd., 518 West Pitt St., Windsor (147)

Kelvinator

The Oldest Domestic
Electric Refrigeration



"Yes— we are glad that the

Beautiful **birch**

we are insisting on for the Trim (and also the Furniture) of our New Home is still plentiful enough in the Northern woods to be attainable at a price easily within our means."

The texture of Birch makes it perfect under enamel, as in the hallway (above) in the home of K. B. C. Smith, Esq., Tenafly, N. J. R. C. Hunter & Bro., Archts.

birch

is, truly enough, "the wood for the wise" for all Interior Trim—also Furniture. It is very hard, and thus is practically dent and mar proof. (Are there children in your home?)

The Birch Book is worthy of your Library Table. It comes with our compliments. Will you write for it today?

The Birch Manufacturers
219 F. R. A. Building
OSHKOSH, WISCONSIN

"Beautiful Birch for Beautiful Woodwork"

Khouri LAMPS and SHADES

Red Onyx-Marble

Ornamented with bronze Delphian figures, with shade of French striped taffeta in gold and mulberry, trimmed with taffeta of matching colors. An exclusive master work of Belgian origin brought across seas to add to the charm of some distinctive American home.

LALIQUE GLASS
FRENCH ONYX
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MEISEN FIGURES
ITALIAN ARTS
SPANISH ARTS

A. N. KHOURI & BRO., 115 East 23rd St., New York
IMPORTERS – WHOLESALE ONLY

a new cage entirely of Pyralin

In Your Mountain Sun Parlor

—amid rustic furnishings, the beautiful colorings possible in a Hendryx Cage of Pyralin, are especially pleasing. There are nine interesting color schemes. Each has an important place in the well-furnished home—be it in the mountains, at the shore, or in town. Pyralin is hard, smooth and sanitary. The colors are permanent. May we send you a folder in colors?

Hendryx Cages with Floor Stands to Match Are Made in Several Hundred Designs

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"HENDRYX" BIRD CAGE
Since 1869
THE ANDREW B. HENDRYX CO., New Haven, Conn.

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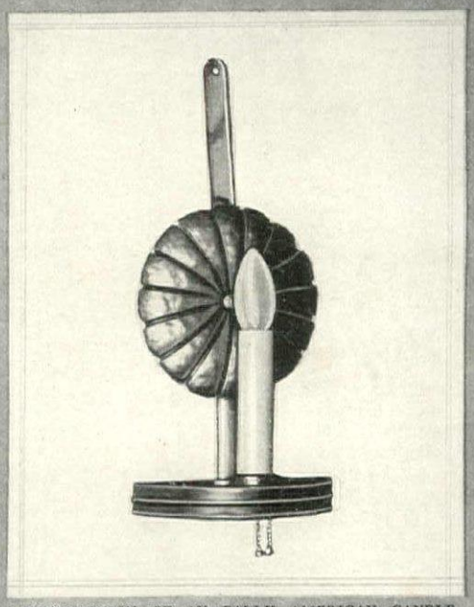
POTTERY AND TILES

Rookwood Book Ends and Paper Weights are made in several variations of ship model and figure head designs. The Book Ends shown here come in various plain colors and are seven dollars a pair. The Paper Weight is Two Dollars.

THE ROOKWOOD POTTERY COMPANY
Rookwood Place, Cincinnati, Ohio



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101 PARK AVENUE AT FORTIETH STREET
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Catering since 1895 to the Highest Clientele

Imported Georgian Crystal

Appropriate table appointments bespeak the refinement of the home!

Sixty Piece Glass Service

$65.

Sparkling crystal bowls in moire optic effect on low stems and bases of Green or Amber.

ALSO IN OPEN STOCK

Wm. H. PLUMMER & Co. Ltd

IMPORTERS OF MODERN AND ANTIQUE CHINA AND GLASS

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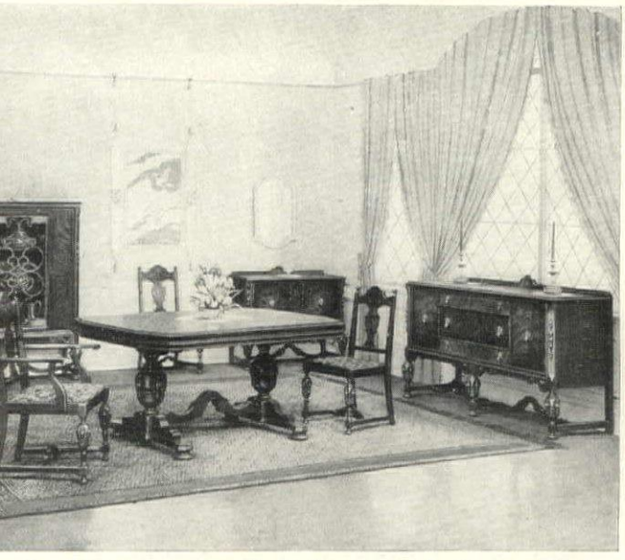
Dean's

BIRTHDAY CAKES BY POST

THE Birthday Cake! For generations it has been the symbol of birthday celebrations—and for over three generations Dean has been making Birthday Cakes for the first families of New York. There are so many delicious varieties, so many attractive designs that every individual requirement can be satisfied in the selection. Priced from $2.75 to $40.00.

We shall be glad to send our Birthday Cake Booklet

628 FIFTH AVENUE
NEW YORK



In this Ottawa creation, the romantic beauty of the Spanish Renaissance finds new expression. The richness of walnut burl and diamond figured sliced walnut decorations, the exceptional grace of line and contour, and the splendid Dutch craftsmanship are typical of all Ottawa productions. Your request, accompanied by your dealer's name, will bring an interesting descriptive folder.

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Grand Rapids, Michigan
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OTTAWA Dining FURNITURE

WM. H. JACKSON COMPANY
ESTABLISHED 1827

Red Verona Marble Well Head, $1800

Unusual and distinctive
Italian Importations:

WELL HEADS · CIRCULAR SEATS
COLUMNS · FOUNTAINS · VASES

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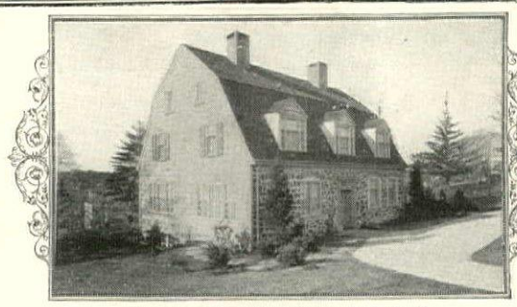
efficient, durable, sanitary

The WHITE HOUSE Line
TRADE MARK

SECTIONAL UNIT STEEL DRESSERS

WHITE HOUSE DRESSERS, Side Units, Broom Closets, Cupboards and Tables are made of steel, by patented methods of rigid, welded construction. They are finished in baked-on white enamel; are fireproof, vermin proof, moisture-proof and perfectly sanitary. Write for illustrated booklet showing complete White House Line—highest quality kitchen and pantry equipment made.

JANES & KIRTLAND, Inc.
Established 1840
133 West 44th Street, New York, N. Y.



Residence of J. W. Wilson, Rye, N. Y.
H. N. Woolsey, Architect, New York City

Stop the Raving —and Begin Savin

RAVING about big coal bills never saved big piles of coal. replacing that old, tired-out heater of yours with the mod coal-saving Kelsey will stop the raving and the waste.

Famous Kelsey zig-zag tubes (forming the fire-pot and com tion chamber) are heated on all four sides by hot gases—the goes into your rooms, not up the chimney, a great saving in

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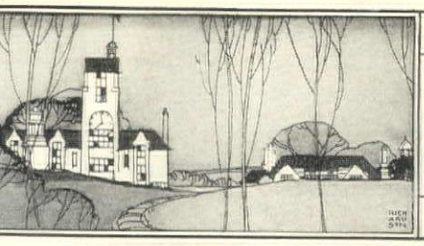

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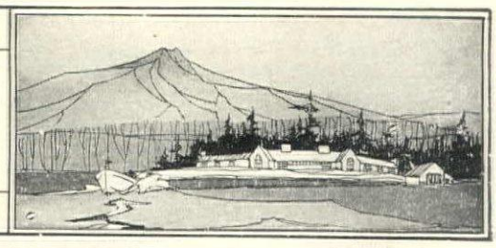

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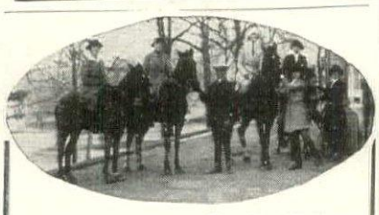

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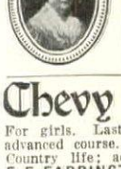

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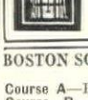

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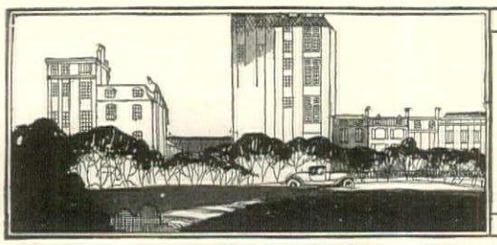

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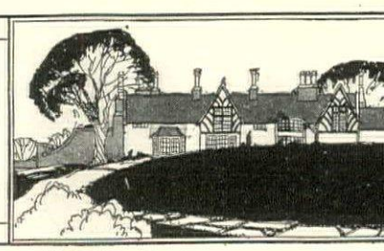

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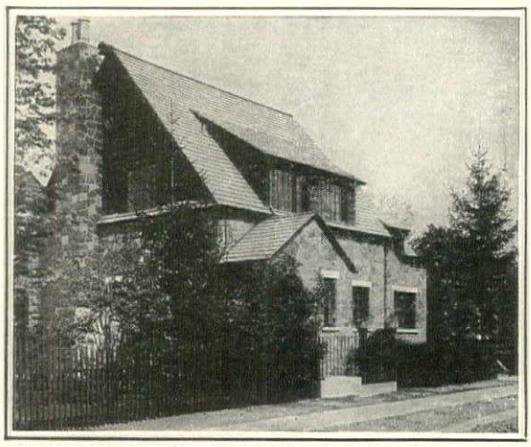

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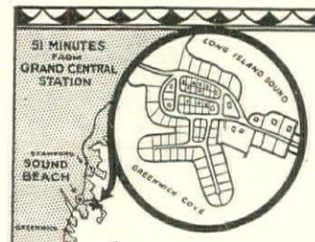

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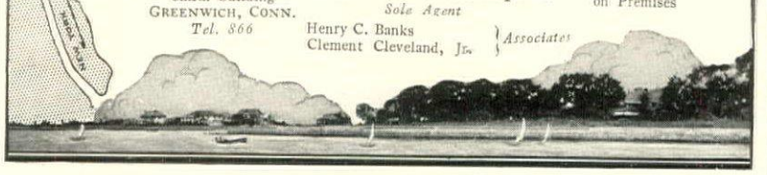

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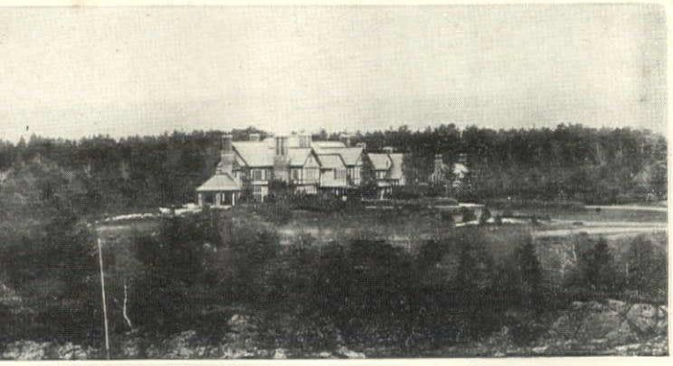

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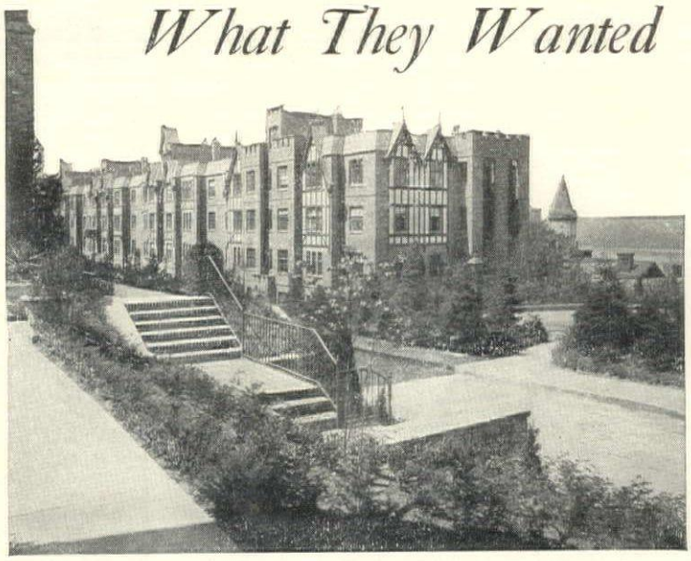

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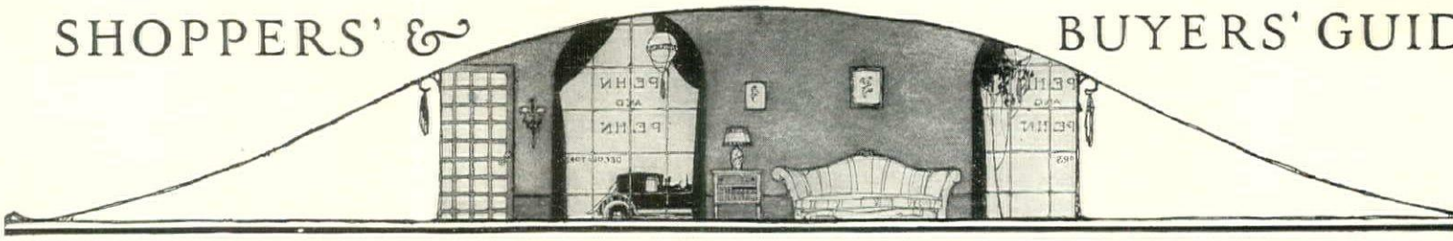

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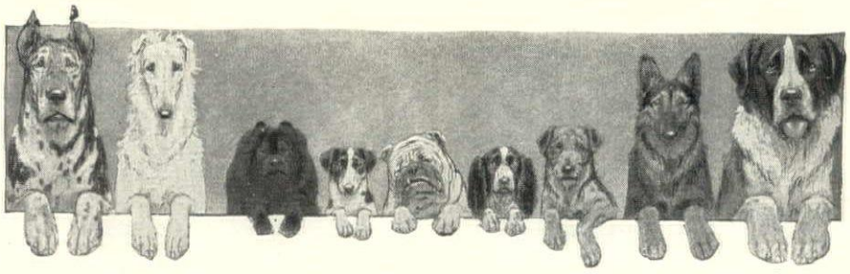

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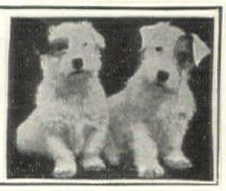

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Specific questions on dog subjects will gladly be answered by The Dog Mart of House & Garden. We do not sell dogs or issue any price list, but are always ready to suggest reliable kennels where purchases may be made.

AFTER your pup has been taught cleanly habits in the house, as outlined last month in these columns, the most important lesson for him to learn is to come when called. This may really be considered the first serious step in his training.

The simplest way to impart a rudimentary understanding of the words "Come here," or whatever other brief command you may decide to use, is to accompany the order with a platter of appetizing food which the pupil receives as soon as he reaches you. Repeat the order several times at each meal hour, and you will find that in two or three days the

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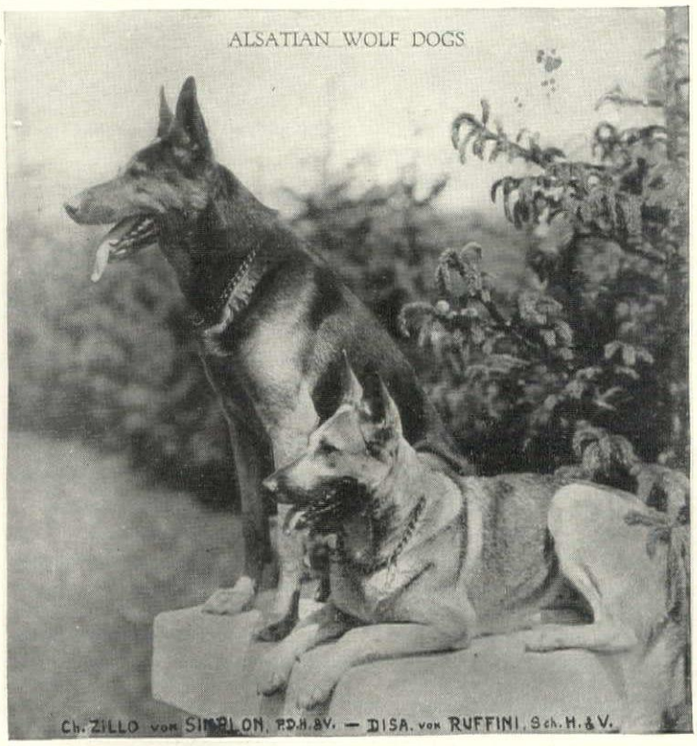

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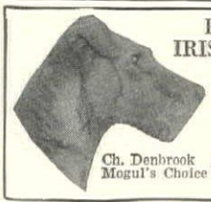

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The DOG MART

pup will realize in a hazy sort of way that the words are connected with coming to you and receiving a gratifying portion of good food. This comprehension will be strengthened if you give him the order to "Come" whenever he shows any tendency to follow you about.

When you are ready to start in seriously to teach the pup obedience, take him into a quiet room where there will be no distracting sounds or sights.

Let him trot around and explore for a while, and then stoop over and tell him to "Come." Probably he will obey, expecting a tid-bit. When nothing more than a pat and a word of praise is forthcoming after two or three trials, the chances are he will lose interest in the whole affair. Then your work begins.

Repeat the order distinctly, and if the pup still pays no heed walk quietly to him, take him firmly but not roughly by the scruff of the neck, and lead him to the point from which the order was originally given. Repeat the words frequently as you do this, and when you have reached your destination pat the pup a bit, soothe his probably ruffled equanimity, and in general try to impress it upon him that the experience was not some strange punishment after all.

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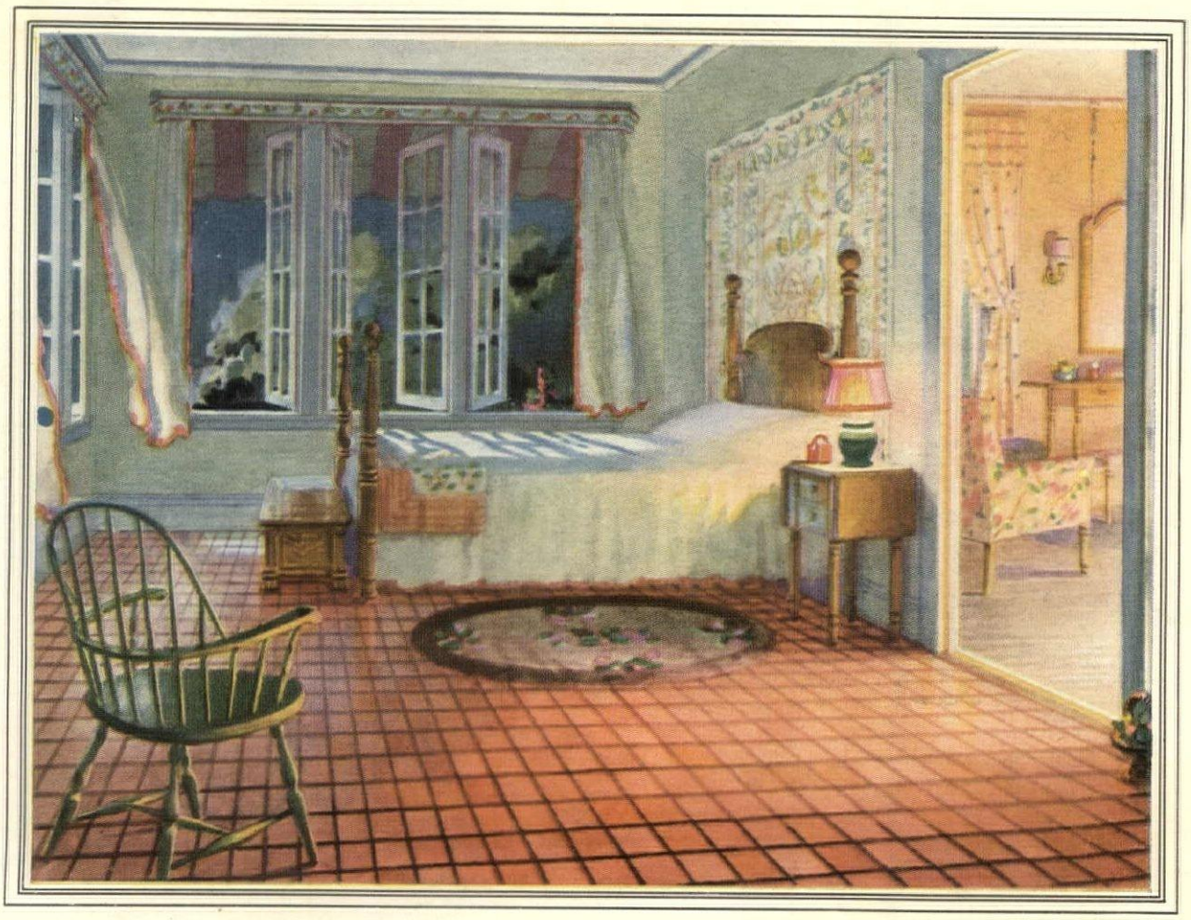

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A FLOOR OF HANDCRAFT TILE DESIGN BRINGS BEAUTY TO THIS ROOM

HE furnishings of a sleeping porch are necessarily limited. Wall space s way to windows, which let in not silvery rays of moonlight but len, driving rains as well.

ıch a room oftentimes is not easy ecorate. Common sense dictates pensive hangings and but few pieces rniture that will stand exposure to and weather. How then can such om be saved from drab, uninterest- areness?

Let a gay flair for color have full ," recommends Hazel Dell Brown, decorator who revealed the possi- es for beauty in the sleeping porch see here, "and let the color start the floor, the largest e area in the room— ogical foundation for oom's color scheme."

a joyous color scheme d on a rich, varicol- floor of Armstrong's dcraft Tile Linoleum his sparsely furnished ing porch to a refresh- and easily accom- ed beauty.

But beauty is only one reason why decorators, architects, and home-planners are using modern linoleum floors.

For example, the linoleum floor in this sleeping porch sheds water like a duck's back. This floor is not tacked down, but is firmly cemented in place over a lining of builders' heavy deadening felt, *its seams and edges tightly sealed with waterproof cement.*

Furthermore, its smooth, polished surface offers not a single lodging place for wind-blown dust and dirt. This surface is stain-proof, too. Heels can't bruise it. Walking feet won't scratch and track it. A dust mop quickly wipes up surface dirt. And waxed once or twice a year, this Armstrong's Linoleum Floor should retain its original beauty for a lifetime of the heaviest wear.

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In the meantime, visit a good furniture or department store—see the many smartly correct pattern floors now offered in Armstrong's Linoleum—colors and designs for every type of home, for every kind of room, within the purse of all.

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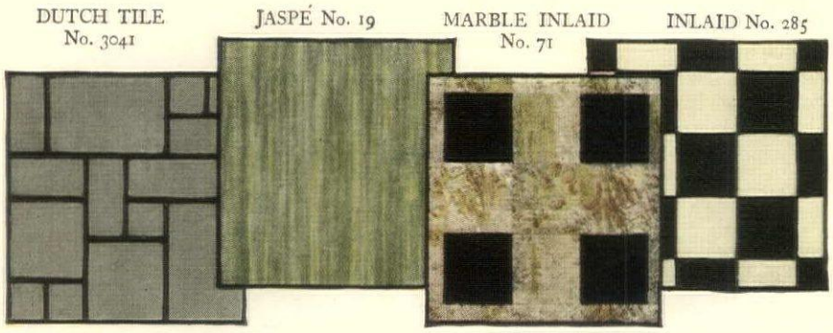

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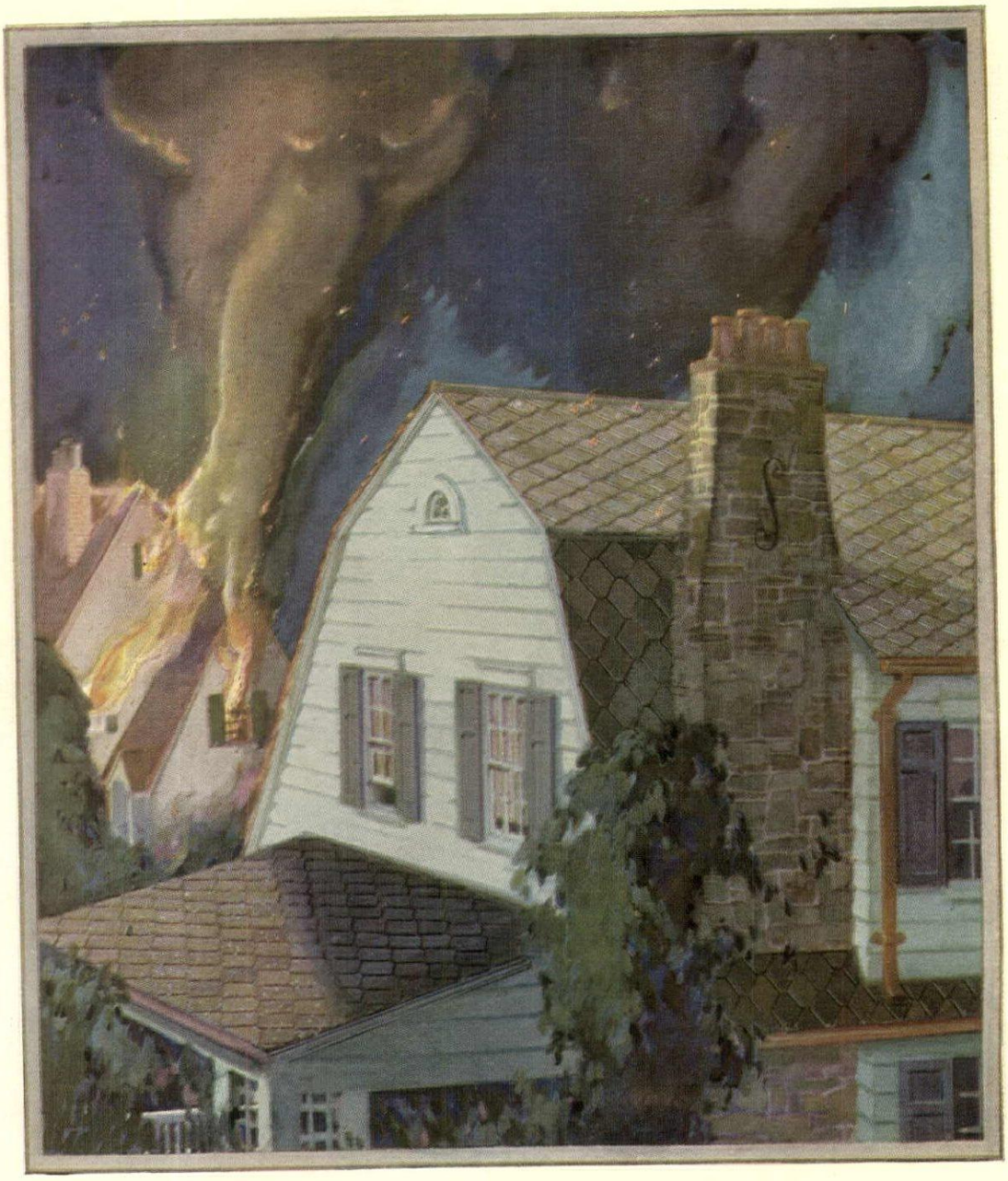

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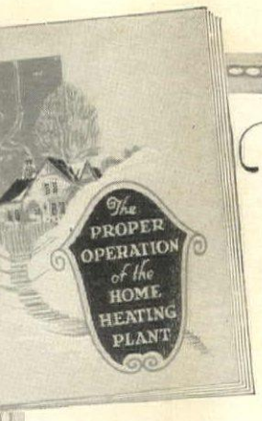

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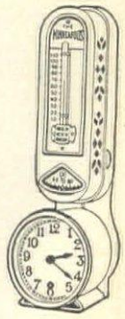

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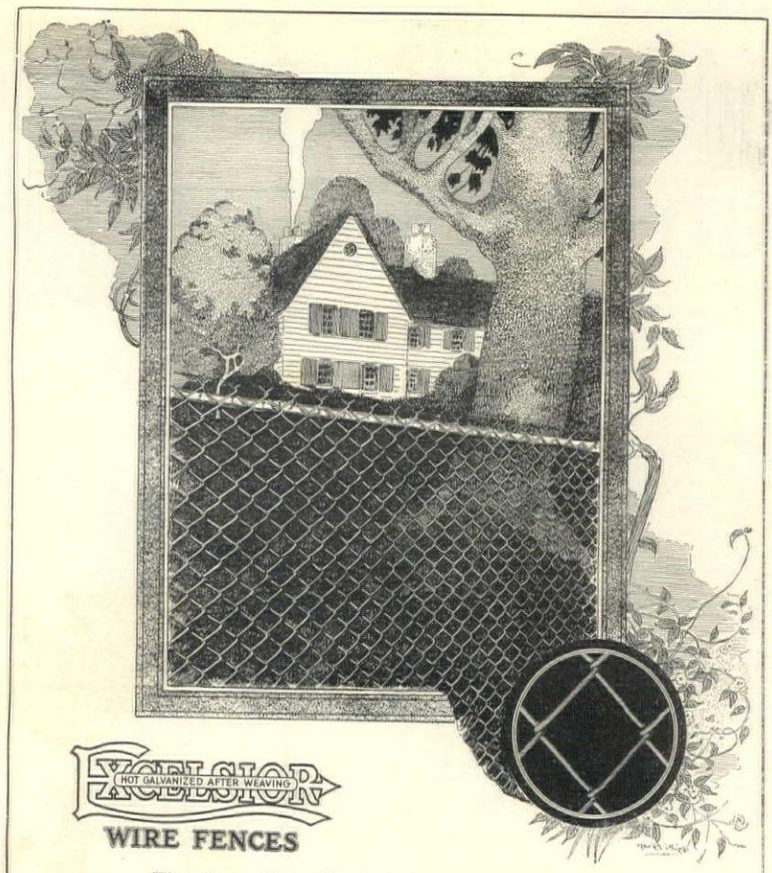

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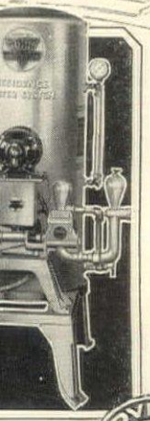

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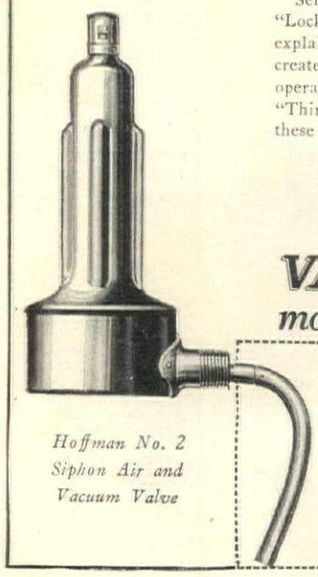

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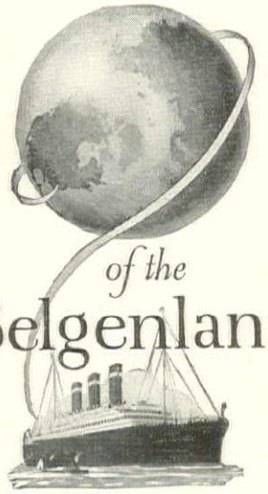

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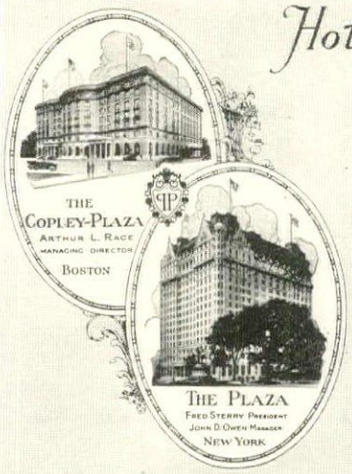

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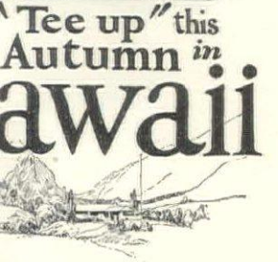

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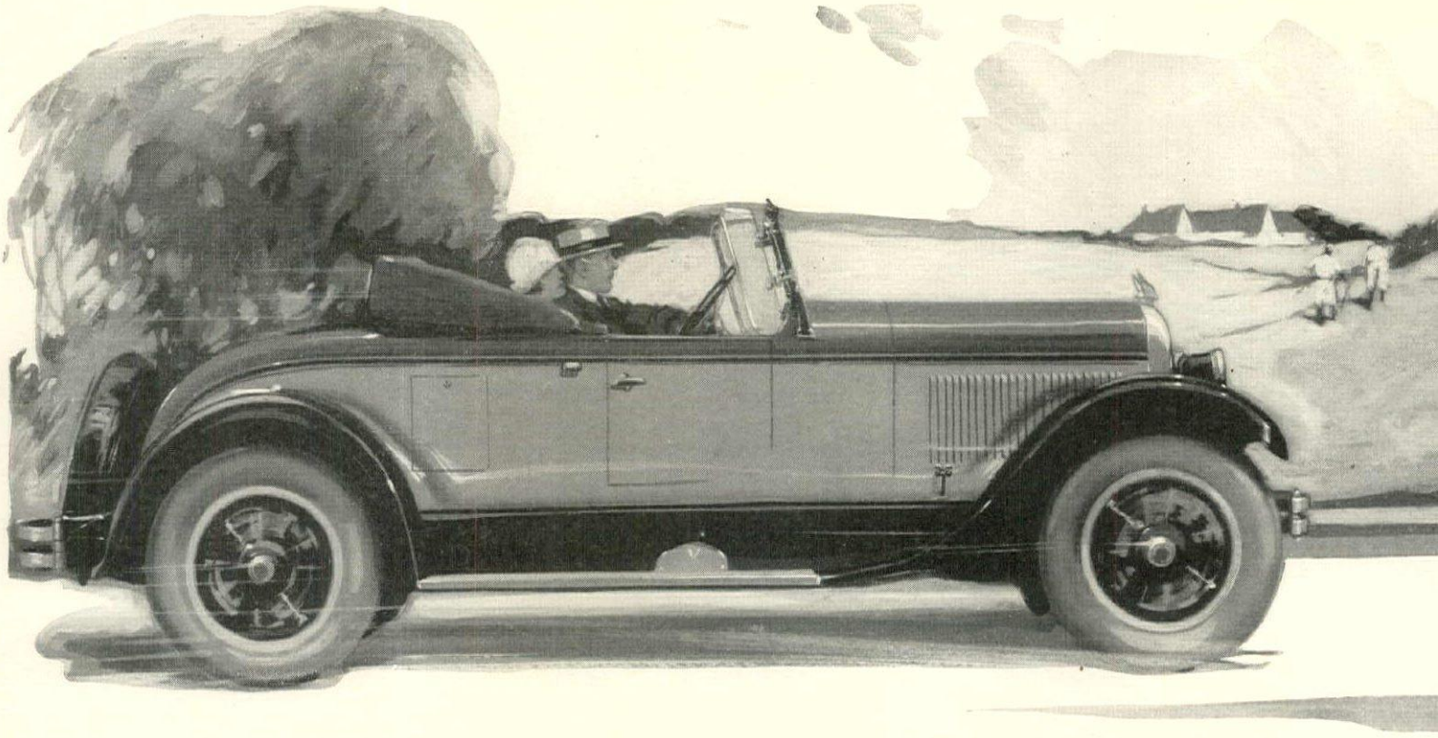

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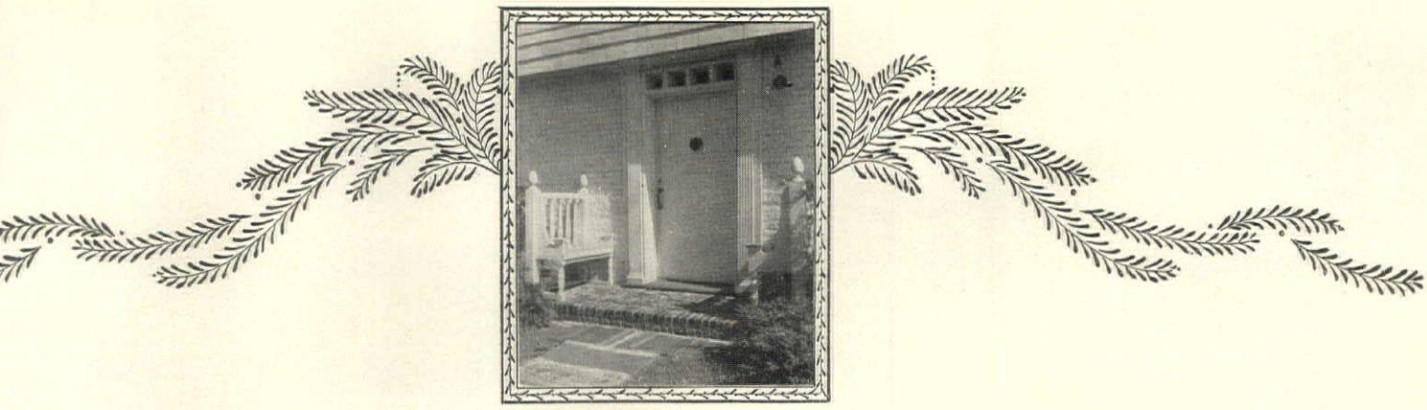

House & Garden

TTERS of comment on the magazine from our readers in praise and admonishment in are for us very pleasant pro- ons. Howsoever fond we are aise, alone it would be too like of desserts. We need the salt lverse criticism. This monthly must be seasoned to suit the ably varied tastes of an im- family.

e nature of almost all the l salt we receive is such that were to sprinkle it too gener- upon our pages the sizes of ouses and gardens we show drop to a very limited level. would be a pity, for several s. In the first place the best in architecture, garden design terior decoration is being done in places of moderate size, we are going to show the best possible we must choose our ial largely from houses and ns of that class. Such material nuch more splendid source of ation for homes of all sizes ding even the smallest and modest) than would be the cre work which, unfortunate- found in the majority of di- ive dwellings. We are con- that very small houses and ns can contain quite as fine y of design and construction larger ones. We have shown that prove that point, and we to show more and more as quality increases.

er all, it is quality that inter- s chiefly, and we believe that of all sizes can have that in on. The reader of *House & Garden* who builds a very small house is building it as a beginning —the first step toward something larger. The kind of small house we would like to suggest in such a case is one which could later become a part of the ultimate affair without any apology. It is the larger house of the future which should be kept in mind all the time.

Strangely enough it will be found that cost plays a rather minor part. A small house or garden, skillfully and artistically designed, with the same quality of construction and treatment contained in the larger ones we show, need be scarcely more expensive than one of the same size, that is less beautiful and charming because of poor planning.

One of the most delightful architectural styles ever developed in this country—the Greek Revival, resulted in an amazing number of fine small houses. Now, the source of this inspiration was architecture of unsurpassed grandeur, yet the people who built the splendid houses of that period made the transition in size without any apparent difficulty. If this was possible then (and it is only one instance of what has happened time and again), it should seem a comparatively simple matter to adapt the ideas of a moderate-sized or large house or garden and use them with equal effect in a small one.

Of course, another answer to the query as to why very small houses and gardens do not appear is the extremely simple answer that they do, as the perusal of any issue will convincingly show.

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VOLUME XLVIII NUMBER TWO

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THINGS ARE SELDOM WHAT THEY SEEM

PHIL lazily guided the canoe to the restful shadow of the river bank and Diane sighed her contentment.

Gazing at her dainty figure reclining in its organdie frock of powder blue, Phil smiled.

"You're so different from my mental picture of you, Diane! I thought women athletes were all Amazonian and freckled and—well—not so feminine as you! One would never suspect those tiny feet of doing any thirty-six holes a day, or that long drawn-out tennis match you won yesterday!"

Diane's eyes twinkled. "Tiny feet! Do you know for years I thought if anyone ever said I had a pretty foot I'd weep with joy?"

"Well, weep ahead—I'll say it again—it's as pretty a ever was!"

Diane shook her head. "No—it's a very broad-toed, w with no arch to speak of. I used to try to tuck my fee chairs to hide 'em. Then Alice told me about Ped-e-mo they simply make my feet look inches smaller!"

"Must cramp you no end though—don't they?" Phil's sion was one of masculine wonder at woman's concession to

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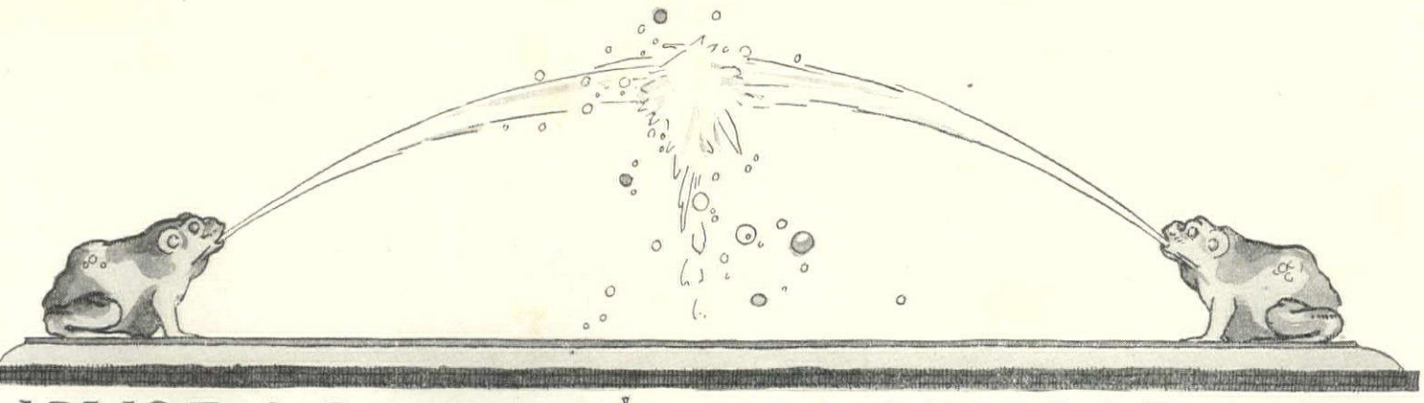


HOUSE & GARDEN'S BULLETIN BOARD

SINCE long before the days of vacuum cleaners and labor-saving floor mops the house interior's year has carried two peaks of activity—spring and fall. At each is attained a maximum of refurbishing and fresh decorating, calculated to mask the wear and tear of the past six months and brighten the prospect of the six months next to come. May and September—these two. And no mere man may say which is the greater.

So it is that every September we devote particular attention to Fall Furnishing. This year we begin the issue with a feature article in which Elsie Cobb Wilson, one of New York's leading decorators, presents the case for French Provincial furniture in conjunction with Early American pieces, and follow through with Donegal carpets, Locher Murals, Tea Tables, Draping the Dressing Table, Arrangement of Libraries, and an especially wide selection of other suggestions for many rooms and places.

AND then there is the service side of the house and its equipment for the longer evenings and colder days soon to come. Ethel Peyser tells the tale of fire extinguishers—a wise precaution even in this era of fire-resistant construction. For the prospective builder, too, there is much of interest, notably Mr. Houston's tracing of the veranda's development from its early place as a rankly exterior feature to its 1925 status as a real living room.

HORTICULTURALLY speaking, September is a time of preparation for the manifold activities of the fall planting season. Thus, Mrs. Wilder tells about the Place of Shrubs in the Rock Garden, Dr. Wilson writes on Spindle Trees, and Elsa Rehmann, the landscape architect, on Narcissi Planting. Along with J. Horace McFarland's article on Hydrangeas, F. F. Rockwell's instalment of his greenhouse series, and several pictorial garden features, they round out an issue which needs only the civic article on Real Estate Field Offices to make it complete.

HOUSE & GARDEN CONTRIBUTORS IN THIS ISSUE

Frederick Houston is an architect practicing in New York City whose articles on the architectural phases of the house appear regularly in the magazine.

Esther T. Curtiss, whose own house at South Ashfield, Mass., is shown this month, is a decorator in Northampton, Mass.

Richard Le Gallienne is one of our best known poets and essayists and an occasional contributor to these pages.

Louise Beebe Wilder has developed a remarkable garden of rock and wild plants at her home in Bronxville, N. Y., and writes about these plants regularly in House & Garden with the authority that comes of actual experience in the subject.

Herbert Durand is a well known writer on garden affairs and a specialist in wild plants and their cultivation.

John L. Rea is an artist who has retired into the heart of New England where he has become a skillful garden amateur and writer on the subject of his avocation.

Marian Coffin is a prominent landscape architect of New York who has many delightful gardens and estates to her credit throughout the east.

Olmsted Brothers, of which the son of the late Frederick Law Olmsted, Sr., co-designer of Central Park, is the guiding spirit, is probably the oldest and largest landscape architectural firm in the United States.

Allen Saalburg is an artist in New York City and a designer of decorative screens.

Elizabeth Bootes Clark, who writes in this issue about the less well known houses along the Delaware Canal, is a landscape architect in Philadelphia.

Mrs. Harland H. Allen is a writer on household economics.

E. H. Wilson, Assistant Director of the Arnold Arboretum, about which place his book, *America's Greatest Garden*, has just been published, is perhaps the most noted living plant explorer. His articles on the woody plants appear monthly in the magazine.

Schell Lewis, the designer of the roadside signs shown in this issue, is an architect and architectural renderer practicing in New York City whose work appears regularly in House & Garden.

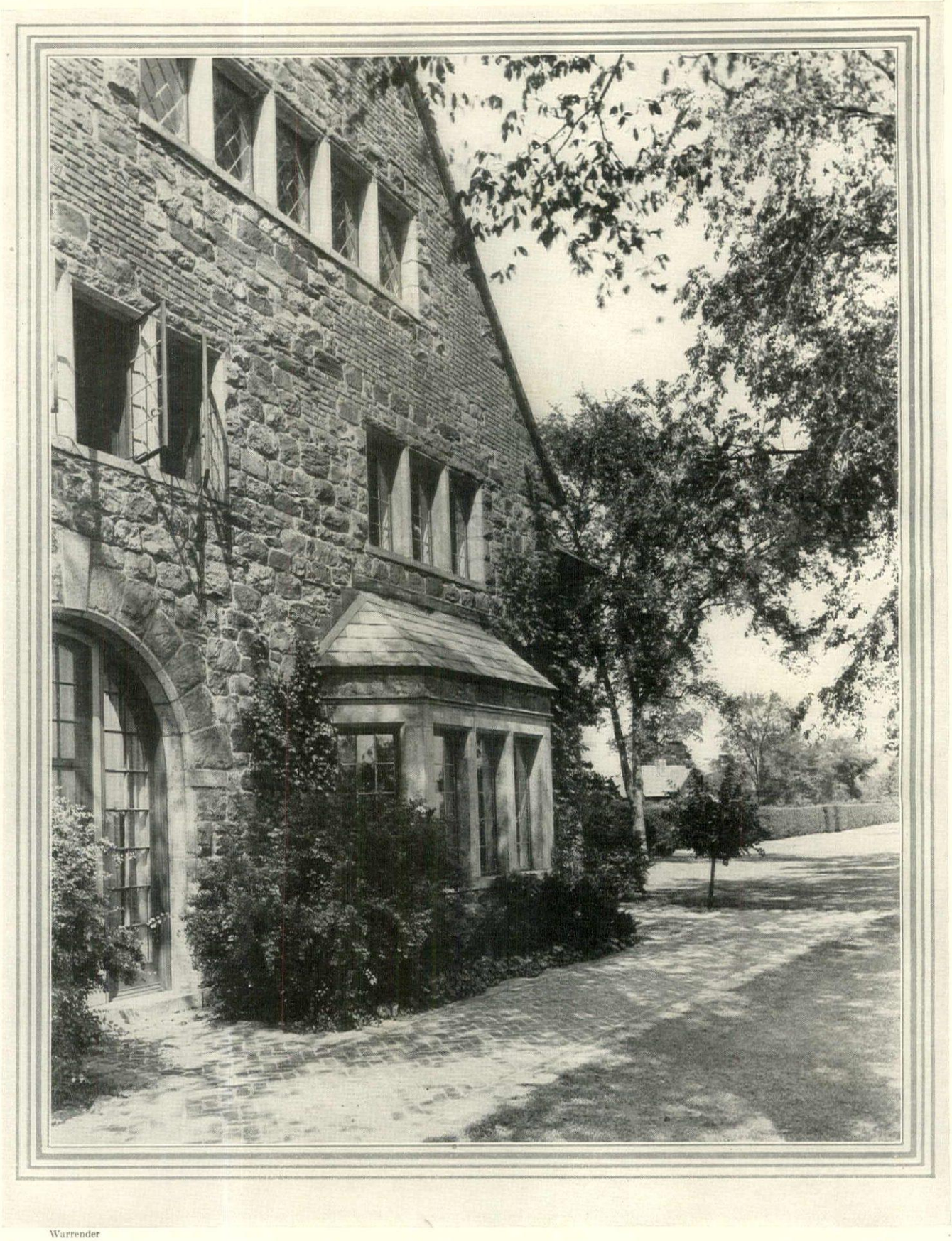
WE KNOW of few places to which we can make seasonal pilgrimages with more pleasure than the Arnold Arboretum, just outside Boston. There, in spring, fruit blossoms appear in greater profusion and finer variety than in any spot of similar size in Normandy or Japan. Summer, fall and winter are each a spectacle of delight. All the woody plants, all trees and shrubs, which can be induced to grow in this climate have there been arranged not only with an eye for tests of their development but with real consideration for their artistic effect. This amazing garden is the life-work of its Director, Professor Charles S. Sargent, and it has been brought by him to the point where it satisfies all the requirements of study as well as beauty. To it E. H. Wilson, the Assistant Director, has brought the plants discovered by him in the far corners of the earth, and about it he has just written a book: *America's Greatest Garden*. He describes the Arboretum as "a garden of trees and shrubs assembled together from the uttermost parts of the northern Hemisphere and open free to all every day in the year. A garden where bosky hills, wooded knolls, steep cliffs, open meadows and valleys are fragrant with the odors of foliage, flower and fruit. A garden where the birds may breed unmolested and where they can find food in abundance at all seasons of the year."

OLD DOC LEMMON SAYS—"They's no use talkin', a skunk's the powerfullest critter in the world, less'n it might be a whale. Why, gosh-ding it, I b'lieve he could ha' licked old Jumbo hisself, if he'd got a fair shot at him!

"That's it—a fair shot; the skunk ain't never lived whut wanted more'n that, an' it don't take him long to aim, neither. Once he figgers he's got the range, an' the rest ain't nothin' 'cept a change of air which man ner beast can't stand longer'n it takes to get outer the neighborhood.

"The funny part of it is, old woods pussy seems to know the full value o' his poison gas, an' acts accordin'. To see him strollin' along the path beside the road ye'd say he didn't have a care in the hull world. Ye can't hurry him, even if ye're fool enough to try. Yell at him, an' the chances are he'll jus' stop an' look at ye in a kind o' 'Good-mornin'—anythin' I kin do fer ye today?' way.

"I knowed a city feller once what got fresh with a skunk, an' five minutes after he got back to the house where he was a-stayin' at the hull blame thing caught fire an' burned to the ground. 'Course, I ain't act'ally sayin' as it was the skunk smell whut blowed up and started the blaze, but I've allus wondered 'bout it. I cal'late that a critter whut kin lick a elephant kin do most anythin'."



Warrender

MAKING THE MOST OF MASONRY

The fun of building a house of whatever comes to hand must be tempered with the sort of thoughtfulness which has made the masonry here a so successful matter of well-studied abandon. The rubble and brick of the walls are beautifully mixed and combine nicely with the cut stone frames of the casement windows and the slate of the roofs and the brick of the path. Godley & Sedgewick were the architects

OTH SIDES OF THE WINDOW

Originally an Aperture Merely for Light and Air it Has Now Become as Well One of the Principal Elements of Architecture

FREDERICK HOUSTON

AYLIGHT in just the right location and fresh air in just the right quantity he things for whose admission to the windows were made. Next to the walls and roof of the house they are nost vital ingredient. And like the and roof and every other visible ele- of building, windows not only play practical part but one of beauty as While the practical requirements seem unduly insistent, the fenestra- or system of window arrangement, ls an opportunity in design of which ntage is gratefully taken. This design tunity lies in the establishing of a onious relationship be- n window sizes and on, and adjoining wall ces, and then in work- ut a sightly frame of , stone or metal to be the wall construction, ceive and contain the

r the home there are current varieties of from which to choose: ouble hung sash, slid- ertically in a grooved bated frame and bal- on cords attached to nts, and the older case- form, side hinged fashion.

e casement sash may oked upon as an evo- from the primitive en shutter which, lack- nserts of translucent nsparent material, ex- d daylight as well as old and rain. When hutter had set into it, of horn, oiled paper ass it was in prog- toward becoming the en sash of today. The nent is characteristic of Gothic building and dates back hundreds of years, and though its use fell off in England during the 18th and much of the 19th century, it has continued to be the largely habitual form in most parts of Europe.

With the growth in the use of glass for private homes, there came into use the wrought iron sash frame to which were secured the glazing of small sheets of glass set in lead strips or cames. In the finer work much beautiful workmanship was expended upon these frames and leaded sash, particularly upon the bolts and hinges.

But it must not be considered that these elaborated and glazed casements were in universal use, for even on into the 18th century it was common enough for humble homes to lack glass in the windows, and for wooden shutters to serve for protection from the elements, in spite of excluding the light. In fact in this country today unglazed windows may be found in Appalachian mountain cabins.

In the late 17th century in England, during the reign of William and Mary, there came obscurely into use the weight balanced double hung sash which was largely to supplant the use of casements in England until the revival of the latter form several decades ago.

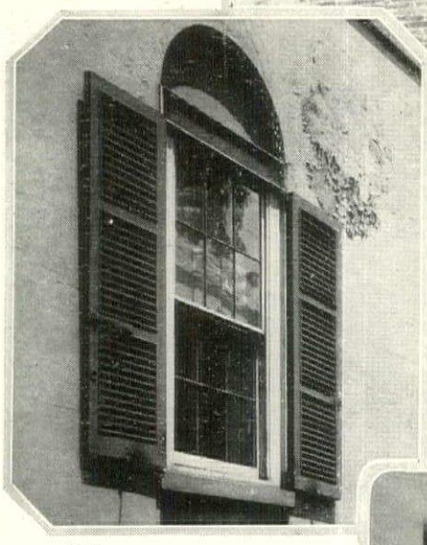
It isn't known who devised the double hung arrangement, but it answered the demand of the rapidly progressing English classic Revival which called for sash in large sections without obstructing stone or wood mullions. The casements, hinged at the side, are limited to sizes which are easily swung in or out, while with the double hung sash the only limit is the strength of the sash frame. Then the early and pre-Georgian casement was not the model of mechanical perfection which we know today as the metal casement, but in contrast with the double hung sash was a draughty and leaky contrivance. The determination upon either the double

In this multiple casement some of the metal sash are hung on the oak frame with side hinges and some with hinges at the top. From Hope

Gillies

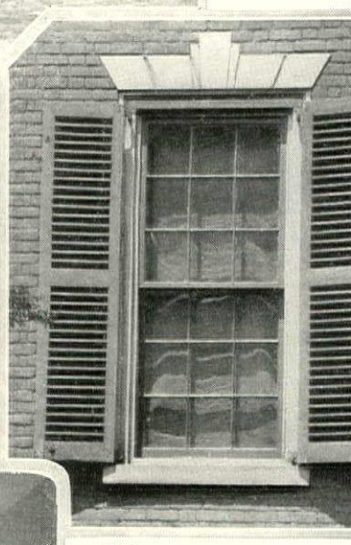
Where casements hang from both side and top hinges in the same frame an interesting and attractive variety of forms and reflection is obtained. Leigh French, owner and architect

The casement sash here are set in stone frames, the two central sash being fixed and the two outside ones on hinges, swinging outward to avoid the curtains inside



Cook

The windows of the Archer house in Richmond, Va., with their recessed semi-circular panels above, show the architectural interest of shutters



Cook

The windows of the Cas house, also in Richmo and earlier than the Arch were done with more a smaller panels but w the same delicate munt

hung or casement window is largely controlled by the style feeling in which the house is designed.

There is much to be said for the casement. It affords in warm weather the opportunity for swinging the sash entirely clear of the window opening, and securing a 100 per cent aperture, as contrasted to the 50 per cent opening afforded by the ordinary double hung window. (There is a special type of double-hung sash which can be made to disappear entirely into the upper frame and leave a 100 per cent opening.)

This clear opening is made possible by the side-hanging and swinging out or in, door fashion, of the sash. In the earlier casements this method had its disadvantages with regard to weather tightness when compared with the double hung, but modern metal casements have been the object of much study and skillful designing so that weather-proofness has been highly perfected.

The in-swinging casement, unless set in jambs as deep as the casements are wide, are troublesome for curtains and hangings. The out-swinging casement offers the advantage of a clear field for curtains, and for screens which may be placed on the inside.

In addition to determining upon the use of either casement or double hung windows, there is the very important consideration of quantity and location of windows. In this country we incline toward lighting from several sides of the room and many consider it a virtue to have all sides of the room windowed, giving cross lights as well as the much desired cross ventilation. To many of us however there is no room so restful as the one lighted from a single side. With this arrangement cross lights are eliminated, wall surface is gained, and furniture, paintings and the like increase in beauty by having uncomplicated shadows.

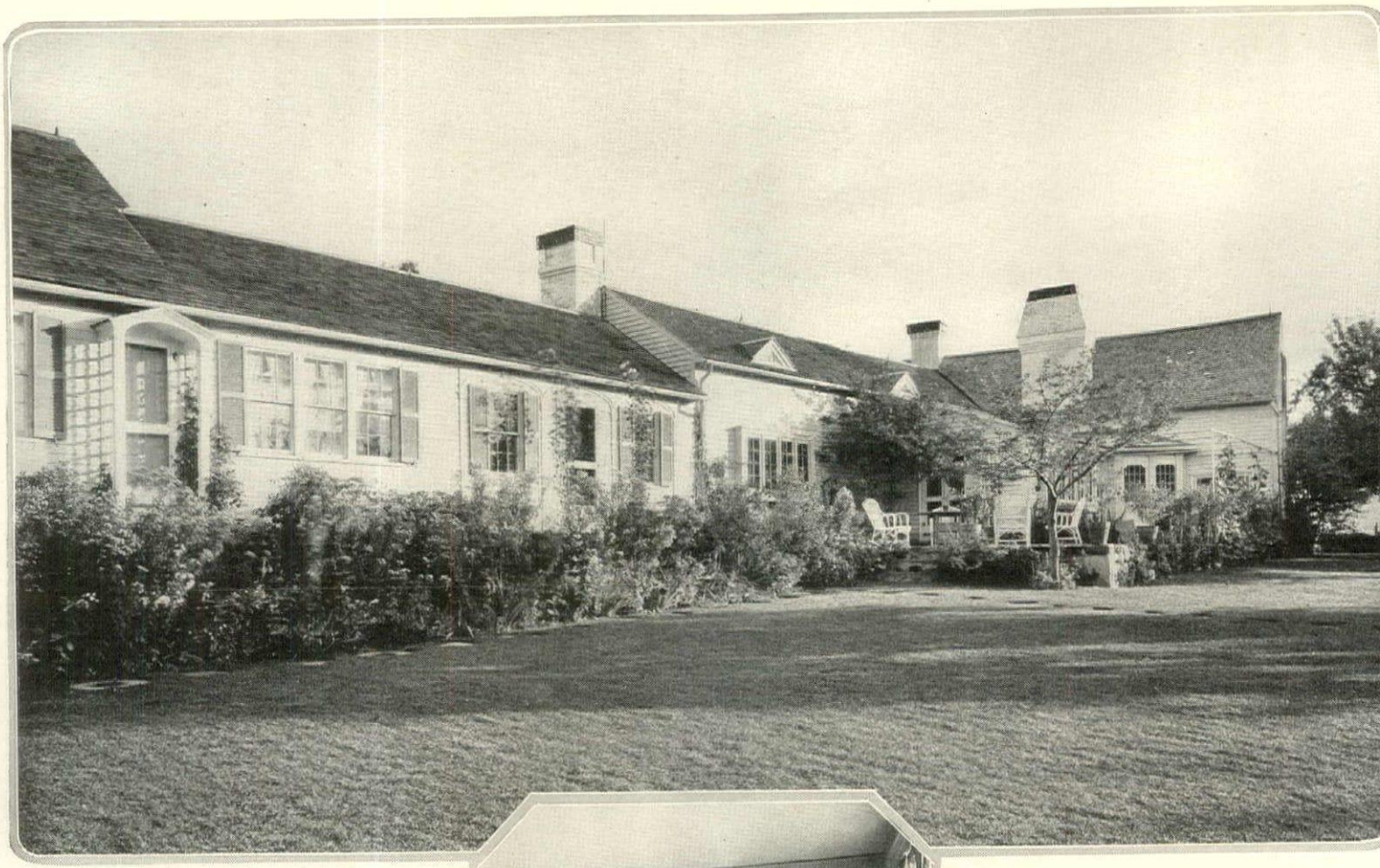
In the 1880's and '90's, in addition to extending the window areas to the utmost we also indulged in the single sheet of glass for the entire sash, and even today battles have sometimes to be fought over question of the muntined or the single sheet window. From the standpoint of window cleaning, the single expanse of plate glass is ideal, but the sacrifice in appearance is so great that window washing deserves no consideration. It is amazing to see the

(*Continued on page* 86)

Gillies

The nature of casement windows allows them to be used in different sized openings on the same façade. Here there are double, triple, quadruple and multiple frames. Lewis Bowman, architect

An unusual type of bow window is this one in which casement sash have been very cleverly fitted. Casements are well suited to stained and weathered woodwork. Wesley Bessell & Macombe, architects



The remodeled farm house of Henry T. Curtiss at South Ashfield, Mass. Louis S. Weeks, architect, Mary Cunningham, Landscape architect

The doors in the room at the right with their arched tops and carefully proportioned panels, were emphasized to serve a decorative purpose

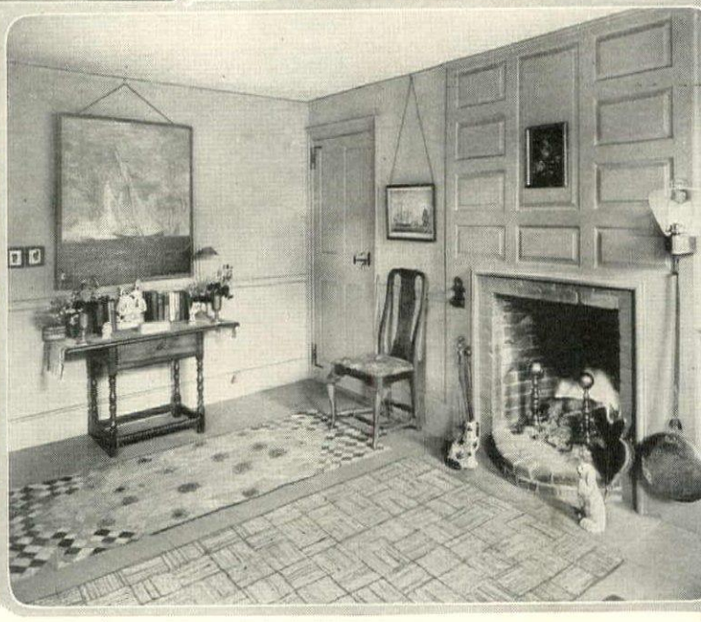
Below, right. Walls and woodwork painted old blue, early American maple furniture, hooked rugs and accessories, create a pleasing room

Below. At one end of the living room is a small low-ceiled alcove in which are some fine early American furniture, hooked rugs and glass

A high peaked ceiling with exposed hand-hewn beams is a feature of the long living room, views of which are shown on the opposite page

A COUNTRY HOUSE IN NEW ENGLAND

English, Spanish and Italian furniture of the 17th Century, pieces congenial in spirit, are used in this room. Esther T. Curtiss, decorator



M. E. Hewitt

M. E. Hewitt

MIDSUMMER POMPS

The Peak of the Year's Performance is Now, When Nature is Living at its Uttermost Abandon

RICHARD LE GALLIENNE

"SUMMER, as my friend Coleridge waggishly writes, has set in with its usual severity," says Charles Lamb, in one of his letters. Yes! "Sumer is y cumen in," as the old monk of Reading sang exactly seven hundred years ago, and some people will be complaining of the heat, and some drinking it in with huge contentment, according to their natures, for, as with everything else, there is a difference of tastes in seasons. Most normal people welcome spring as an escape from the tedium of the winter, as an open door inviting to new adventures of living, when once more they can stretch their limbs and go out into the overflowing sun, unmuffled with fur-coats and heavy boots and clumsy gloves. Some love her for her own sake, her girlish coquetries, her transient pathetic beauty, her thrilling Persephone-like flowers. The poets have made much of her, and young poets in particular usually begin their careers with odes to spring. Perhaps a large majority of people are autumn-lovers, and there are those who seem to see no beauties in the year till the "autumn-tints" come along. Of late it has been fashionable to praise winter, and many agree with Coventry Patmore when he wrote,

"I singularly moved
To love the lovely that are not beloved,
Of all the seasons most love winter and to trace
The sense of the Trophonian pallor of her face."

Not so that great nature-lover, John Burroughs, with whom I stood in his Catskill woods one winter day, as the snow began to circle about us, and fill his beard, and blot out the fields. "Of course, it's very beautiful," he said, "but it's not life!" Summer, however, *is* life, life triumphant, in all its glory and fire and perfume. Summer is the year's completed masterpiece. Spring is but a promise, autumn a regret, winter a bereavement, but summer is fulfilment, possession, peace. Other seasons are wistful, memory-haunted, vanishing, suggesting the uncertainty of life. Their music is melancholy, their colours are hectic, their beauty, shadowy and fleeting, troubles the heart with vain longings, that spiritual homesickness which the beautiful Latin word "desiderium" alone expresses. But, except for

"The sigh deep-bosomed Silence heaves
From the full heart of happy things,"

Summer has no sadness in it. Why should it have? For has the year not gained all it sought, done all it set out to do? Summer is success, prosperity, security. Its house is builded, and furnished in all its rooms with all luxurious, desirable things, all that the heart longed for, all that nature worked for through ice and sleet, through wind and rain. Summer is concrete, rounded, complete, made out of solid gold. Effort is over, now is the time to sit down and enjoy. Idleness well-won is its portion. The other seasons are made out of hopes and dreams, unsubstantial, delicate, elusive. Summer is real, real as money in the bank, or as a painting by Titian or Rubens. In summer, as Gautier said, "the visible worl exists". Its trees, its meadows, its very clouds, are substanti things, and its flowers are strong and hot with life, drunk with th sun.

Here is perhaps the most beautiful picture of summer ev made, these lines by Matthew Arnold:

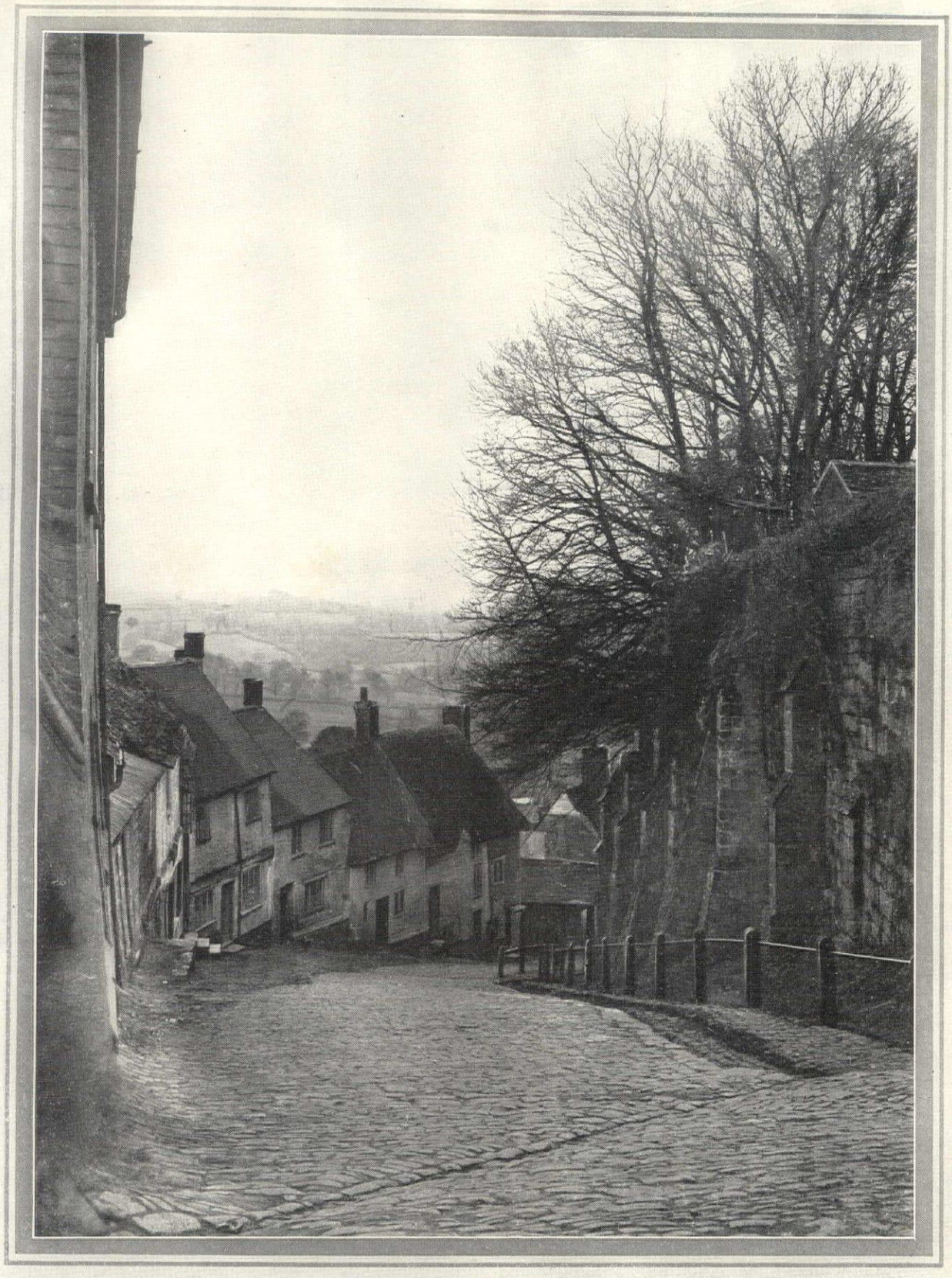
"Soon will the high Midsummer pomps come on,
Soon will the musk carnations break and swell,
Soon shall we have gold-dusted snapdragon,
Sweet-William with his homely cottage smell,
And stocks in fragrant blow;
Roses that down the alleys shine afar,
And open, jasmine-muffled lattices,
And groups under the dreaming garden-trees,
And the full moon, and the white evening-star."

High Midsummer pomps! *Pomps*—how right the word is f summer, how suggestive of exuberant, triumphant life, life thron and crowned and regally content. And, of all the months, it August that thus sits on the sunlit top of the world. The nan itself is one of those fortunate accidents of language that som times happen to make the thing and the word one. Apart from derivation from *augere*, to increase, its association, and the ma ner in which it came to be applied, are full of appropriateness—f it is the "pomps" of ancient Rome that it was first meant to cel brate. As July immortalises Julius Caesar in the calendar, August immortalises Augustus Caesar, at the height of his glo In that month which had previously been known as "Sextilis Augustus had been made consul, had celebrated his third "t umph," had won the firm allegiance of his soldiers, had end the civil wars, and had conquered Egypt. He might well call his "lucky month," and for that reason he gave it his own nam So it has come to be the "august" month, the month of increas the month of triumph, the month of the "high Midsumm pomps." In it, the year, like Augustus, celebrates its triumph; a for those who love heat, and, with the old saint, cry out "Oh, fire and heat, bless ye the Lord," it is still the "lucky month."

Of course, everybody doesn't like heat. Some people are nev content. Either it is too cold or too hot for them, and to so August suggests mainly perspiration and mosquitoes. Some po have been of this mind, and James Thomson in his "Seasons" h this impassioned complaint, which, doubtless, will appeal to man

"All-conquering Heat, O intermit thy wrath!
And on my throbbing temples, potent thus,
Beam not so fierce! incessant still you flow,
And still another fervent flood succeeds,
Pour'd on the head profuse. In vain I sigh
And restless turn, and look around for nights;
Night is far off; and hotter Hours approach."

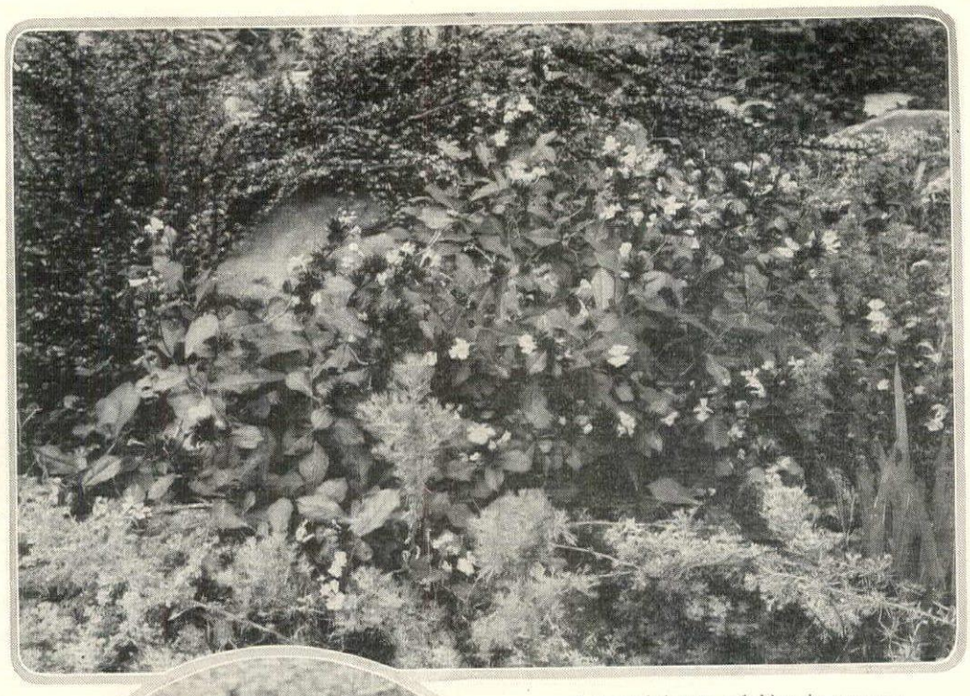
(*Continued on page* 84)



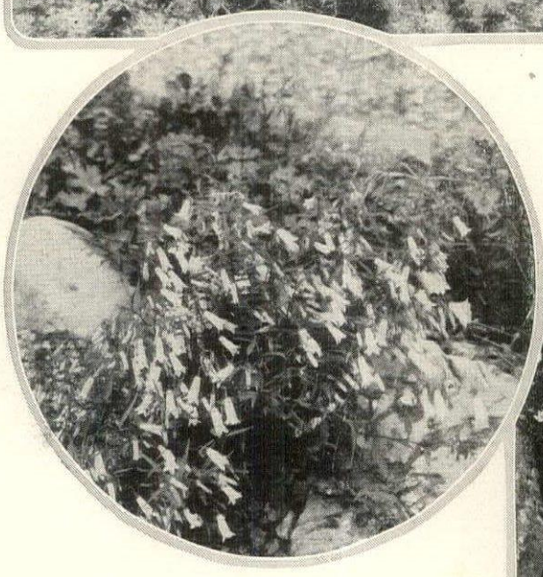
Ionides

THE VIEW OVER BLACKMORE VALE

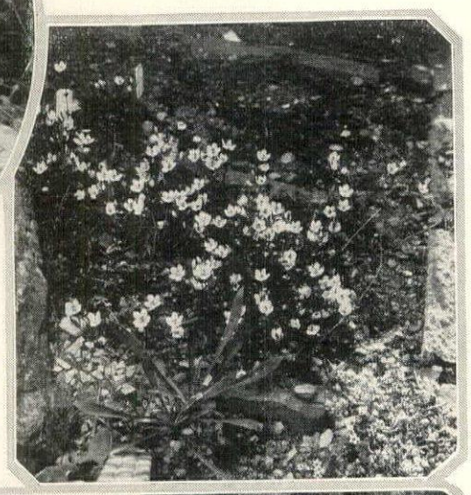
From the hilltop in Shaftesbury, at the Cathedral, the valley of Blackmore lies below in typical English luxuriance, and the houses of the old town step down the stone-paved slope of the street like a gigantic, curving staircase



A grateful note of blue in summer and autumn is provided by the blooms of Cerato-stigma plumbaginoides



Erythraea diffusa comes from the Azores and opens rose-colored flowers in the late summer and early fall



One of the best summer-blossoming Campanulas for the rock garden is the rare variety C. Tommasiniana

THE LAT ROCK GARDE

Suggestion for Maintaining Bl Through the Summer and F

LOUISE BEEBE WILDER

AFTER the spring freshet of ra bloom has passed over the rock ga our little cosmopolis is apt to lapse i period of sober quiet unless we have g a good deal of thought to planting for mer bloom. In any case, in a rock ga April, May and June are its gala mo its festival of all nations with the r sentatives of each striving to outd others in gaiety and beauty of mien array; but, though the scene may b brilliant, there is no reason for a la interest and color throughout the su and autumn.

Many persons are near their ga during the summer months only, and will do well to give over the whole a plants that come to their blossoming a period, and in any rock garden gen space should be allowed them. Though are fewer in number than the spring-ering plants and perhaps lack somethi that glancing freshness and sparkle characterizes the early comers, the beauty among the summer rock plants when the long, hot days are upon us v grateful to them for their sturdy ind ence to the soaring mercury.

True, many spring-flowering plant a scattering bloom all through the mer and autumn. Others having re through the heated season experience juvenescence with the coming of nights and refreshing dews and vou a second blossoming. Both these may be considered when planting a mer garden. Among the first are n the Poppies. Established plants of *Pa nudicaule*, the Iceland Poppy, begi to bloom towards the end of April continue, if seed-pods are not allow form, straight through the summe autumn and more than likely wave a let rag of defiance at you as you dr the winter blanket. A noble Icel named Tangerine is especially satisf in this respect, sending up an amazin cession of crinkled orange-scarlet b for at least six months. It is sure to all who love to crown their heights a bit of flashing color.

Geranium Wallichianum flowers from the end of June until frost. Its blossoms are a fine lilac color paling toward the center. Raise from seed

Papaver rupifragum, a Spanish species, also blooms from May until November, as does *P. caucasicum*, a biennial, with rosettes of silver foliage. *P. alpinum*, the fairy alpine Poppy, given a windy height, a well-drained, stony soil and freedom from the burden of seed bearing, is not behind its gay fellows in the length of its blossoming season. But the new Poppy from Tibet, a most glowing creature even among Poppies, has not as yet with me exceeded a two months' show.

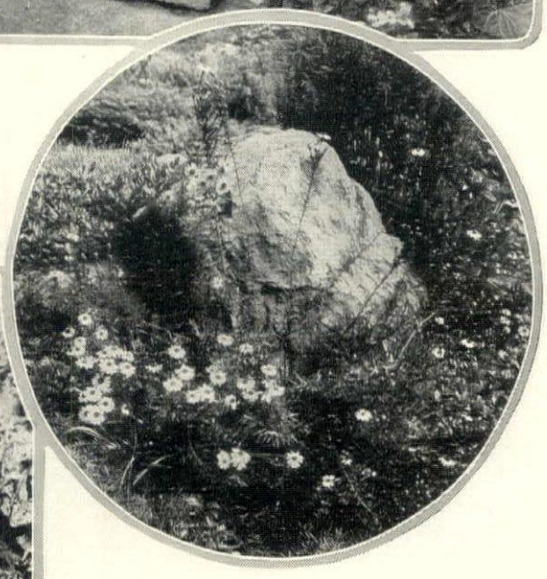
Potentilla alba, while one of the earliest plants to open an eye upon the awakening world, is among the last to quiet down if, indeed, this pretty cousin of the Strawberries ever really sleeps. *Corydalis lutea*, the little yellow Fumatory, blooms from May first until hard frost has put an end to its charming effervescence. Summer days abate little the enthusiasm of the various forms of *Viola cornuta* if they are given an occasional clipping over, and of course one must not forget the jaunty Johnny-jump-ups who both toil and spin right round the year, even beneath the snows.

Among the plants that bloom again after having rested during the heat of the day are many kinds of Violet. The Bird's-foot, *Viola pedata*, the white Canada Violet, *V. canadensis*, and a quaint little pink treasure, the Sand Violet, *V. arenaria*, appear especially refreshed and lively after the siesta and blossom profusely. Others with this pleasant habit are *Phlox subulata*, most of the Geraniums and Erodiums, numerous Campanulas, but notably *C. muralis*, Houstonia, Aubrietias, *Dryas octapetala*, all sorts of Primrose, Nepeta, *Trolius laxus*, Thrifts and Pinks and a host more. Some of these are always to be counted upon to brighten the autumn garden. Occasionally some spring-flowering plant that has never before so favored us will burst into bloom among the reddening leaves of October. Then, indeed, we feel that we have received a gift. Last year towards the end of the month I found a long-neglected yellow Columbine in full flower and near it a Parkman's Crab, its crooked branches sprinkled over with rosy blooms!

Among the summer families that of Oenothera stands out. Not difficult to please—indeed, sometimes too ready in their response to our request to beautify the summer garden—they flower over a long period, revelling in the heat and sunshine, unmindful of drought. The blossoms are large, lovely, papery things, white, yellow or pale pink. Among the best is *Oe. caespitosa*, that forms wide-spreading tufts of foliage from which arise huge pale blossoms over a long period. *Oe. brachycarpa* has hoary foliage and wide yellow blossoms. These two hug the ground but

(*Continued on page* 104)

The long trailers of Saponaria ocymoides should be cut back after the abundant pink flowers have fallen



Not until October may one look for the white blossoms of Saxifraga fortuneii in the rock garden

Aster liniarifolius is a delightful native sort for the late garden. It comes into blossom in early autumn

Someone has likened the color of Geranium Endressi's blossoms to that of raspberry ice. The plant comes into flower during the early summer

TO SUCCEED THE SPRING WILD FLOWERS

How to Keep Color in the Wild Garden Through the Whole Season

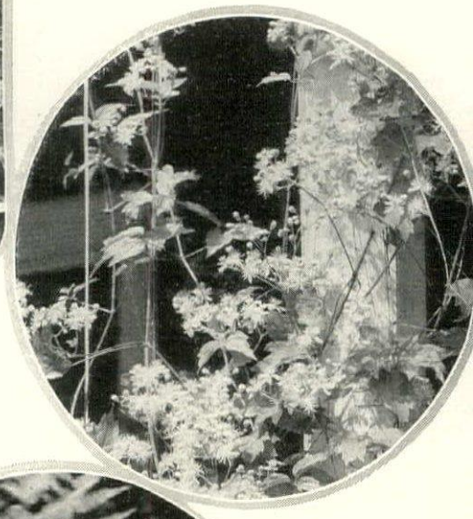
HERBERT DURAND

MY PURPOSE in this article is to controvert a needlessly prevalent notion among wild flower lovers that color in a home wild flower garden is a thing ephemeral—a matter of one or two early spring months, at best. My own garden this past year has given daily and glowing evidence to the contrary. It is not so much of a garden, but within its modest confines comfortable homes have been provided for several hundred species of native wild flowers and ferns. And I have been able so to group my material that at no season is there a dull or uninteresting spot. Indeed, it is really amazing to see how the delicate tints of the April and May bloom give way at once and everywhere to a growing intensity of brilliant hues that does not reach its climax until mid-August and then decreases so imperceptibly that not until snow flies do the last bright shim

(Top) Late September finds the Blue Bells and Grass of Parnassus still in bloom around the pool. In June there are Fairy Wands and Iris

(Above) Beside the Pellaea Path are Purple Cliff Brakes and, in the shady spots, Tradescantias which make a colorful display all during June

The combination of Double-bristled and Golden Asters is effective in early autumn. Each variety supplements the other



Creamy Fairy Wands among the Ferns, Laurel and Blue Bells are at their best in June. They are feature flowers near the pool

Virgin's Bow the native Cle atis, is one the most pleasi of the vines. white flower cl ters are follow by feathery he of fluffy se

rs of crimson and gold fade into the ets and browns of winter.

My note-book, crammed with off-hand ressions, recorded during early morn- inspections, mentions most of the strik- y conspicuous flowers as they come into m; and from its pages I have arranged following fairly coherent color pro- n:

UNE: On the Parnassia path the ntain Laurels are in full bloom, a ming background of pale to deep pink clumps of lavender Phlox *(Phlox di- ata)*, and the fragrant white Canada et. The Partridgeberry along the Par- a and Mitchella paths makes a com- handsome edging that is pretty near ection. The sweet pink twin blossoms ust peeping through the matted foliage. Bunchberry *(Cornus canadensis)* is unfolding a few white stars: will have es of this beauty another year (D.V.). Flame Azaleas are covered with fiery ge blossoms; what a delightful con- with the Birdfoot Violets that carpet ground round about! There are sixty s, twenty of them Bicolors, and the avender or lavender and purple flowers lly hide the foliage. Around the pool Blue Bells are making a fine showing. ral specimens of the creamy Fairy d *(Chamaelirion)* blend well with . Even that purple Flag Iris does not so badly there. The Pitcher Plant in Pool is growing three new pitchers and

(*Continued on page* 106)

(Top) The western slope of the garden is rich with a variety of late blossoming wild flowers. Miniature hills lie picturesquely here and there

ugust the of Parnas- ts its ex- white, n-striped ns in strik- ontrast to urple-gold w Beauties

Along Mitchella Path are edgings of Partridgeberry. They open fragrant white blossoms during June, followed by scarlet berries

(Above) At the top of the cliff above the pool the planting is more recent. Already, though, it helps prove the durability of color in wild gardens

Tradescantias in blue and rose-pink border the Pellaea Path where, in the shady portions, they appear with white Canada Violets

PANSIES AND THEIR NEXT OF KI

Notes and Comments on Some of the Best Strains and Their Successful Garden Culture

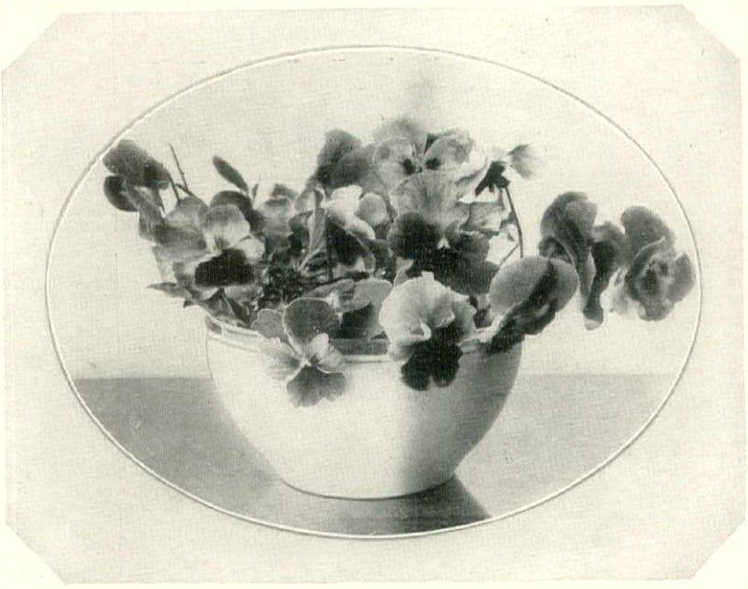
JOHN L. REA

THE Pansy is like the cat in more ways than that recognised in the now famous observation of Lord Gambier's gardener. The ordinary or garden variety of the cat, *Felis domesticus*, has so utterly succumbed to the allurements of the flesh pots of civilization that it is, I am credibly informed, no longer to be met with in a state of nature. Even so, strictly speaking, there are to-day no wild Pansies. So shrouded is the flower's history in the dim past that no one can say with anything like well founded assurance exactly whence it has come. Obviously it belongs to the leafy stemmed section of the great family of Violets, of which several hundred distinct species are known to the botanists. Several shrewd guesses as to just which wild Violet or Violets may be the parent forms of the modern Pansy are to be found in print, but when even Charles Darwin confessed himself beaten and openly acknowledged that the task of tracing out the Pansy's family tree had proven too much for his powers, it is well for another to step warily over the same ground. Be this as it may, we have the Pansies in their great diversity of form and color, and apparently may mainly thank our lucky stars for the first gift of them.

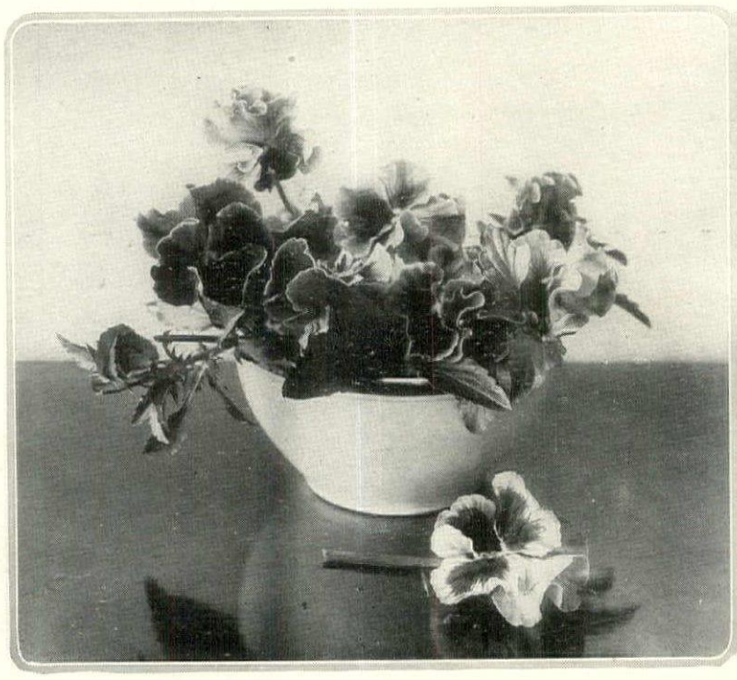
The amazing thing about them is the perfectly marvelous development that has been accomplished during comparati recent times. For though the flower been known for centuries in gardens is evidenced by the mention of it by ne every poet of the last three or four hun years, the old Pansy was a far diffe creation than its modern scendant. I wonder whe the quaint Johnny-jump which fortunately still li among the overgrown R and Lilacs of old gardens are happily found now then in new gardens of to as well, aren't about wha old poets meant when sang of their Pansies "fre with jet"?

In old garden litera too, one frequently finds about these earlier forms. rard of the Sixteenth Cen in his "Complete Herba speaks of them and comp that "smel they have litt none". Was he lacking a s or has the faint sweet like the myriad colors gradually added to the si white, blue, yellow, and purple flowe knew? In 1687 Evelyn was gro Pansies in his garden, as those wh

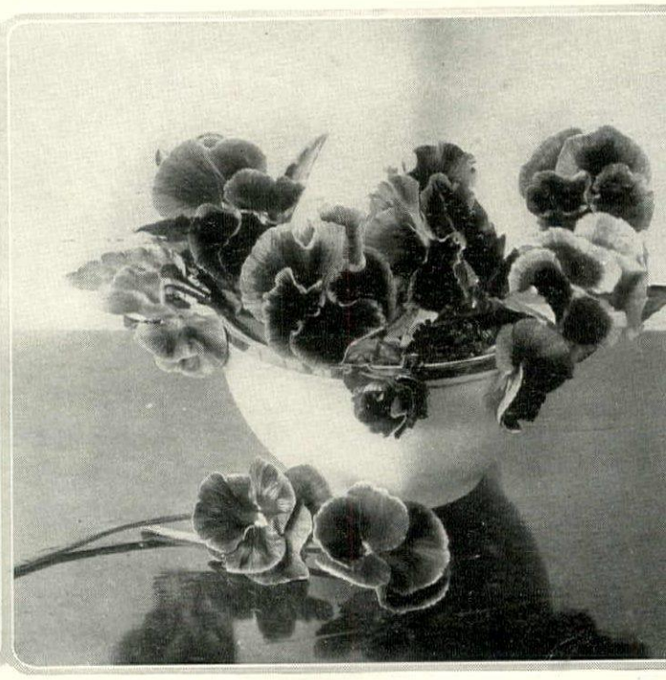
(*Continued on page* 100)



Compared with the improved strains shown at the bottom of the page, the ordinary Pansy is notably inferior in color and form no less than in size. The best seed is well worth its cost



Frilled Pansies have been highly developed. They cover a wide range of color and are of good size, but in some of them the frilling has been carried so far that it detracts from the true Pansy character



M. Cassier created Pansies that are particularly noteworthy for their blotching. Their colors are extremely rich and their size is excellent. Individual blossoms show from three to five blotches

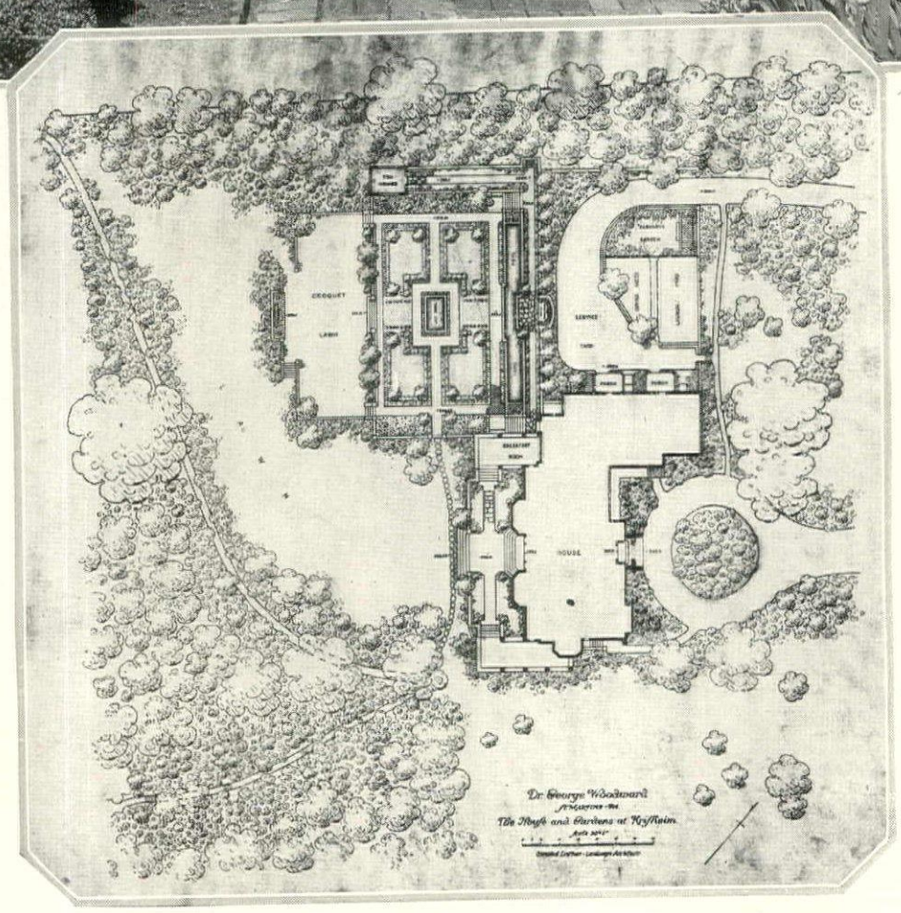
Van Anda

TAMING THE WILD GARDEN

On a site so smooth and small as this one at Princeton, rocks and water should tumble gently and informality be mild. Here the brick-coped stucco wall encloses an appropriately graceful bit of naturalistic design. Marian Coffin was the landscape architect

M. E. Hewitt

A brick path, lined with bulbs and a Boxwood hedge, flanks the long pool that lies below the wall (of characteristic Philadelphia ledgestone) which supports the upper terrace



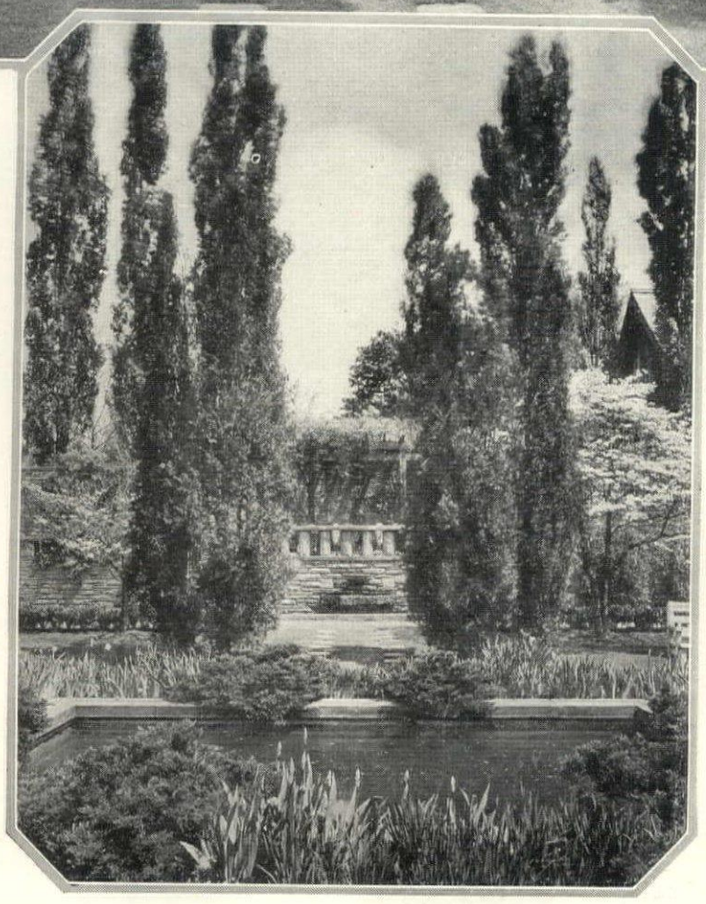
The steps leading from the bre room, on the plan upon the path i picture above. the same room an path leads to th house on the upper

M. E. Hewitt

GARDEN IN ST. MARTINS ENNSYLVANIA

R. GEORGE WOODWARD
Owner

OLMSTED BROTHERS
Landscape Architects



The principal axis of the garden is seen, in these two photographs, from opposite directions; above one sees, across the pool, the seat against the wall of the croquet lawn

Facing the other way one looks along the lightly flagged tapis vert, between Cedars and Dogwoods, to the arbor and balustrade of the terrace which rise above the pool

CLOSETS AND THEIR EQUIPMENT

Suggestions for New Ways of Saving Space and Keeping Down the Yearly Moth Damage

MARY ELIZABETH ALLEN

"SEVEN closets," reads the advertisement. The woman of the house immediately puts the place on her eligible list, and plans to take her husband around to see it.

This inspection trip may lead to a future home with ample closet conveniences—a place for storing everything and at least the possibility of keeping everything in its place. But the disillusioned house-hunter knows that it may also lead to some planless abode, where the seven closets are in fact but six little cubbyholes with awkward doors, plus a huge dark cavern somewhere under the eaves, too low to hang things in, and too inaccessible for a general supply room.

It ought to go without saying that every bedroom should have a commodious clothes closet, and if more than one person uses a bedroom, a separate closet for each is, if not his divine right, certainly a very humane provision.

Unfortunately the provisions for closets in most living quarters are arranged before we come onto the scene, so the problem is usually how to get the best results possible with what there is at hand. Fortunately the market nov affords a multitude of inexpensive closet accessories which go far towards solving the problem of limited space.

Closet equipment has had many additions and improvements in the last few years. The garment rod or rack leads them all as an economizer of space and a convenience for keeping clothes in shape. These rods may be anything from a sawed off broomstick to an elegant brass tube. The ideal size is about an inch and a quarter in diameter, or just large enough to receive the hanger hooks, without too much play, and strong enough to be rigid.

SPECIAL extension rods are now available for the home closet, such as we have seen heretofore in the dress departments of stores. These are especially desirable for a dark closet, or one too small to enter easily for an examination of the contents, because they will pull out into the room, bringing everything on them into full view. The makers of the best of these appliances have a consultation service, and will be glad to prescribe for your particular closet problems, either through the local dealer, or direct by mail.

And while we are talking about clothes rods, there is one simple thing, made from a steel rod which is bent like a flattened out letter "S". The top part hooks over any three quarter inch shelf, while the bottom loop hangs down just far enough to receive clothes hangers. The beauty of this device is that it can be moved around as easily as a clothes hanger itself, and will provide twelve inches of hanging room under any shelf of the proper height.

For a closet where there is no room to hang up odd skirts, a special rack may be had for these, which folds up close against the wall. This is a series of parallel bars set in a wooden frame, and hinged at one end. When pulled down it is supported by a chain, and will then receive as many as eight or ten skirts or other pieces. Each hangs over its separate rod, is kept in good shape, and is easy to remove without disturbing the others.

EVERY efficient closet should be plentifully supplied with individual dress and skirt hangers—with coat and trousers hangers for the men. These should be purchased in dozen or more lots, not only to get a better price, but on account of uniformity of shape. In buying a supply of hangers choose ones not too large, and of the proper form to keep clothes in shape, as well as to hold them securely. One reason for uniformity, is that the hangers "nest" together better, thus conserving space. The small hanger scores on this point, and is also more easily packed with one's clothes when traveling. It is well to have at least two sizes, one for thin dresses and waists, another for coats and sweaters. There are also several types of combination hangers —coat and skirt—which are useful in keeping the pieces of a suit together.

No closet is a safe place for hats unless it is well supplied with hat boxes, or deep commodious drawers for the purpose. A very happy arrangement is achieved when there is a long clothes rack running down one or both sides of the closet, and shelf space above this for hats. When the ceilings are full height, the first shelf can be used for hats in season, and the one above for storage. Having boxes enough will be a saving on hats, but these may all be inexpensive pasteboard containers, except the one used for traveling. Every woman knows how to beautify her plain hatboxes with coverings of fancy paper, or with some printed fabric to carry out her color scheme.

Remember that feathers are a delicacy in the bill of fare for moths, and provide at least one hat box of cedared pasteboard.

Shoes see enough of the floor when i service and ought to be out of the dust th rest of the time. But the most expert o housewives have different ideas as to th best means for doing this. In some of th more complete wardrobe arrangement there are little stalls for each pair of fin shoes, with doors hinged at the top to fla down in front of them. Other plans pr vide special shoe shelves. These shoul be not much deeper than the length of shoe, as this arrangement encourages a orderly placing of the pairs, and isn't su an inviting catch-all for other things. B space economy in most closets calls f some type of shoe rack. A wooden fram work of slats with separating partitio is common, while a very popular type co sists of a metal rack which can be easily a tached to any door or wall. A combin tion shoe tree and hook, which ought to very satisfactory, is now obtainable. Ev pair of shoes needs a pair of trees to h them in shape, and since this device ma it possible to put shoes in place and in sha with one motion, it will appeal to those wh orderly instincts need encouragement.

At this time of year we are all wond ing just how efficient our respective clos are going to be in keeping down moth da age. Every housewife with foresigh economy equips her clothes closet for b offensive and defensive measures in t perpetual warfare which must be wag against these destroyers of wool, feath hair goods and fur. Since all moth dam is done by the larvae or little worms wh hatch from the moth eggs, provisions keeping the mother moths away are tremely important.

THE cedar chest and moth balls of n thalene have long been our princ reliance against moths, but there has been a great deal of disagreement as to t effectiveness. This prompted the Un States Government to make some exten experiments to test the efficacy of red ce both as a preventive and as an exterminа The findings were that a tightly constru aromatic cedar box, made of fresh ¾ i boards, will not only keep the moths av but will kill all the eggs and larvae wh are put into them. Loosely made boxes not so effective, nor those which are li with thin lumber.

The conclusion of the matter, t from the householder's standpoint, is a large cedar chest, if thoroughly

(*Continued on page* 94)

LITTLE PORTFOLIO OF BEDROOMS

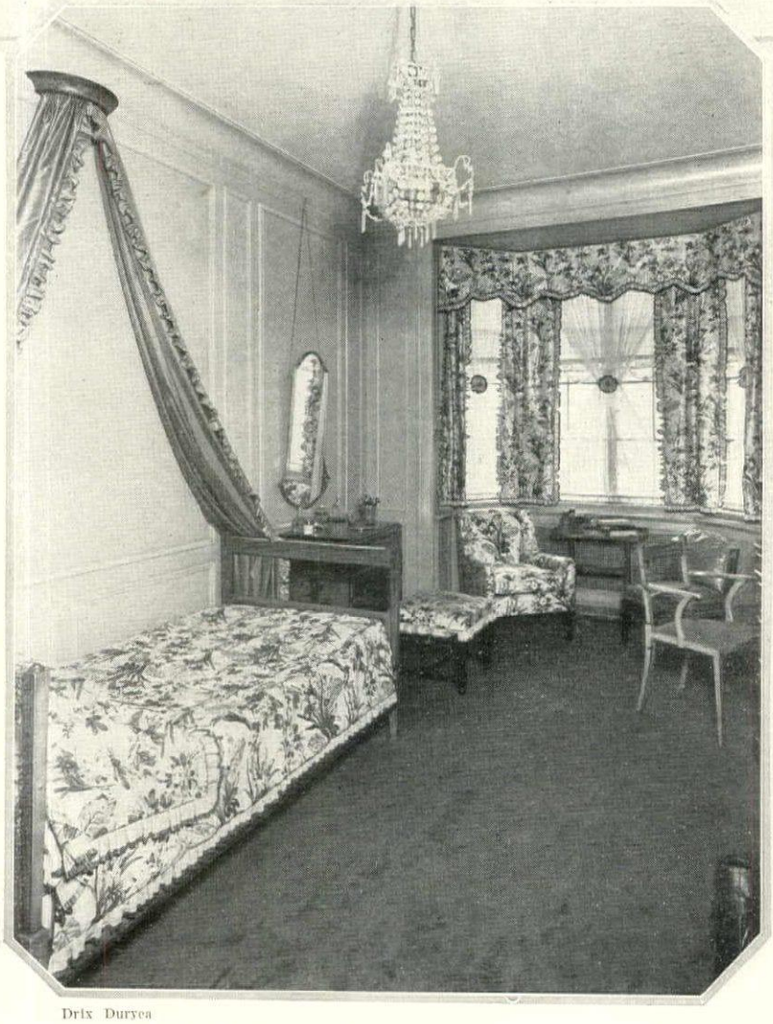
Above. A simple and effective treatment for a four poster bed consists of curtains, valance and tester of sheer ruffled net. In the home of Mrs. James Burden, Syosset, L. I.

M. E. Hewitt

The bedroom at the left with its very decorative 18th. Century Chinese wallpaper and its graceful painted four poster bed is in the New York home of Mrs. Ernest Iselin

M. E. Hewitt

Above. This simple and very charming guest room in a country house has primrose yellow walls, yellow taffeta bedspreads and curtains and slip covers of harmonizing gaily flowered glazed chintz. It is in the country home of Mrs. Edward S. Moore, at Roslyn, Long Island

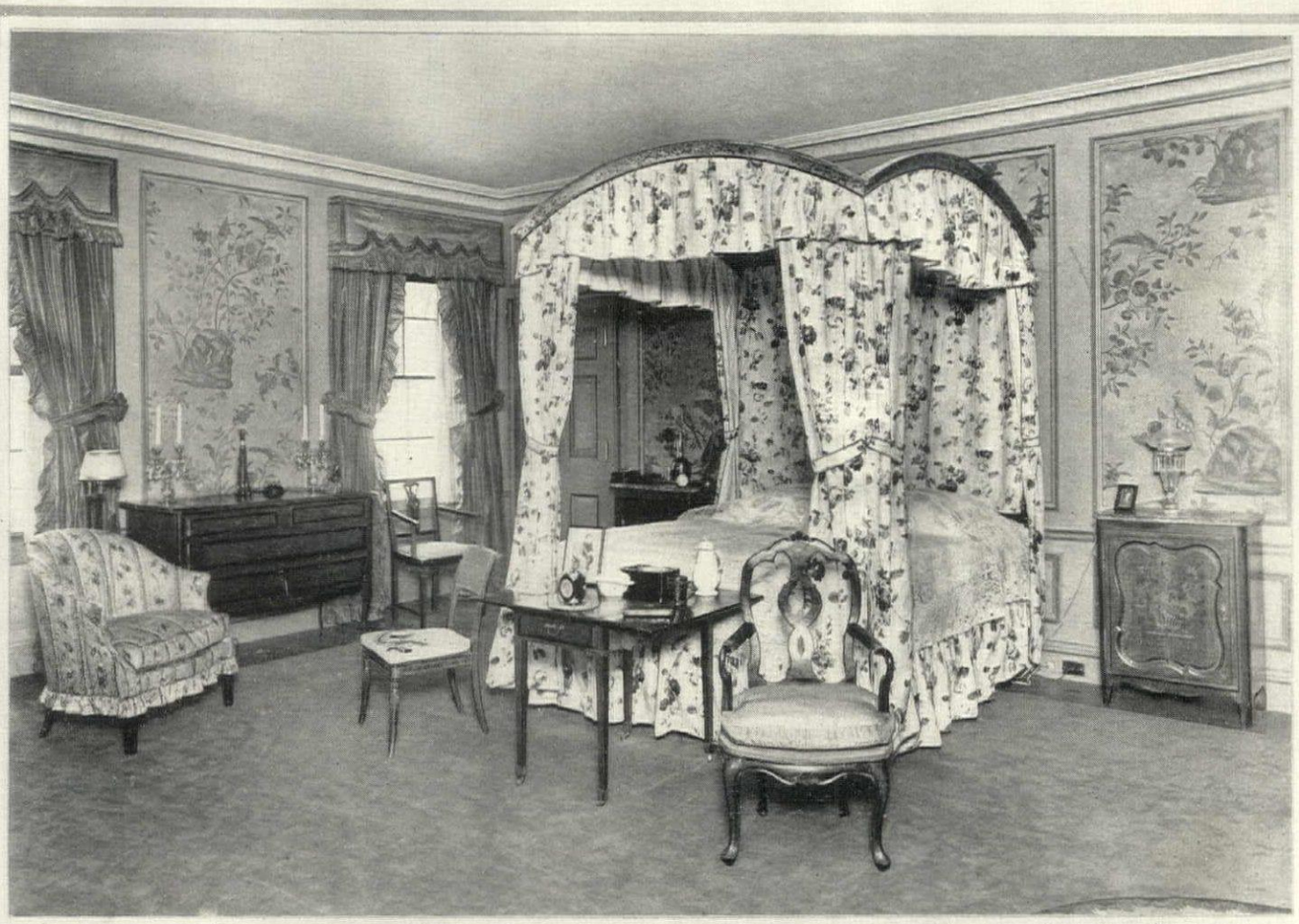


Drix Duryea

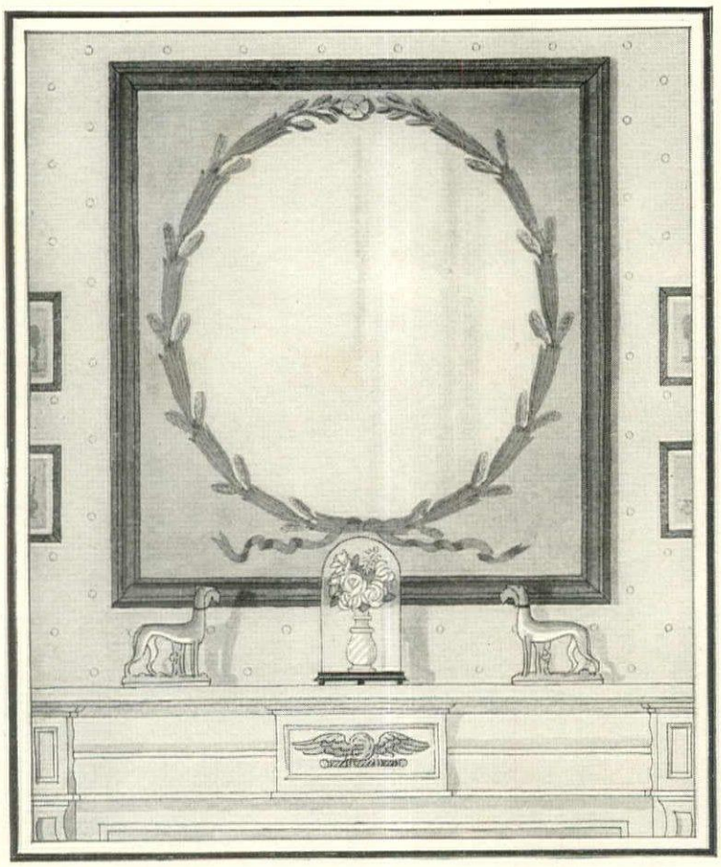
The most interesting feature of the paneled bedroom shown at the right is the arrangement of the glass curtains. These are of fine net attached to rods at both the top and bottom of the window and shirred together in the center under taffeta rosettes. All the chintzes are similar

Opposite. An interestin assortment of fabrics di tinguishes another bedroo in the Long Island hom of Mrs. James Burde The bed is hung in ol flowered chintz, the cu tains are red taffeta an the chairs are covered in variety of materials. Els Cobb Wilson, decorat

Opposite. A young girl room in a country hous has old blue walls, mapl furniture and yellow flow ered chintz slip cover The slender four poste bed is hung in cream col ored dotted Swiss an covered with a candlewic spread. Mrs. Edward S Moore, Roslyn, L. I., owne

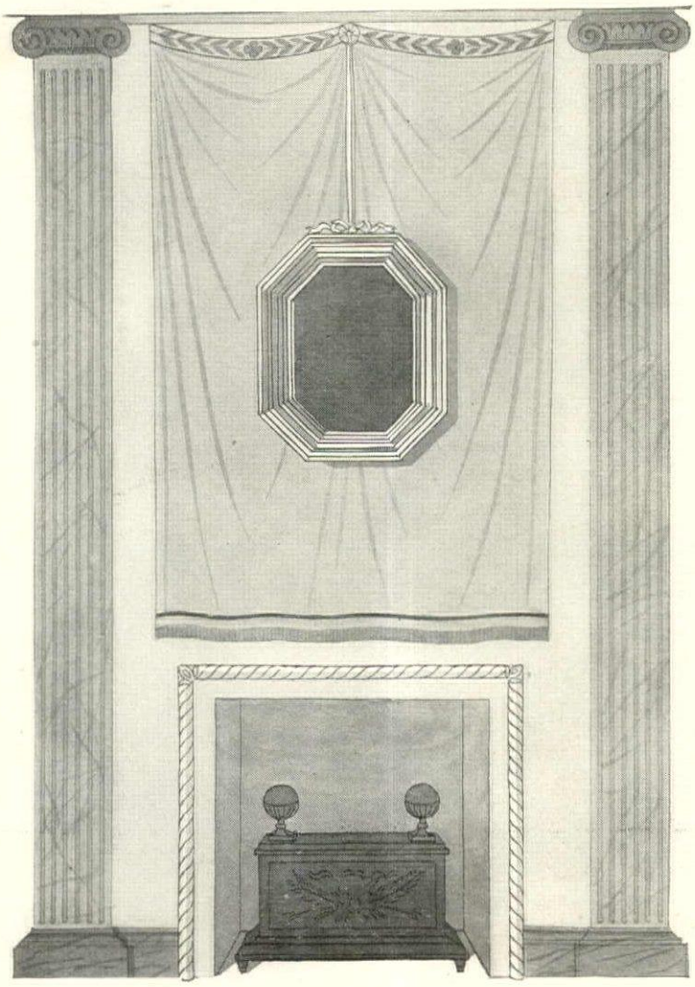


M. E. Hewitt

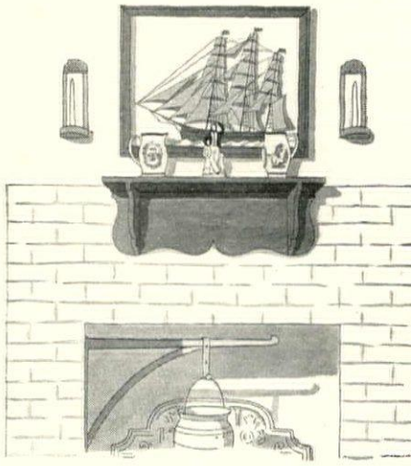


Above. An interesting treatment for an over-mantel mirror consists of a piece of silk mounted on the glass and decorated with a painted wreath. The center portion is cut out to reveal the mirror

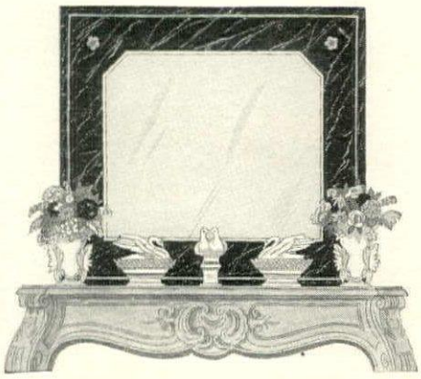
The oblong mirror above, framed in lacquer red molding, is surmounted by a painting in grisaille. A piece of interesting wall paper or a section of old toile might be substituted for the painting



If a formal effect is desired the wall space over the fireplace might have a painted design of drapery bordered by slender painted pilasters



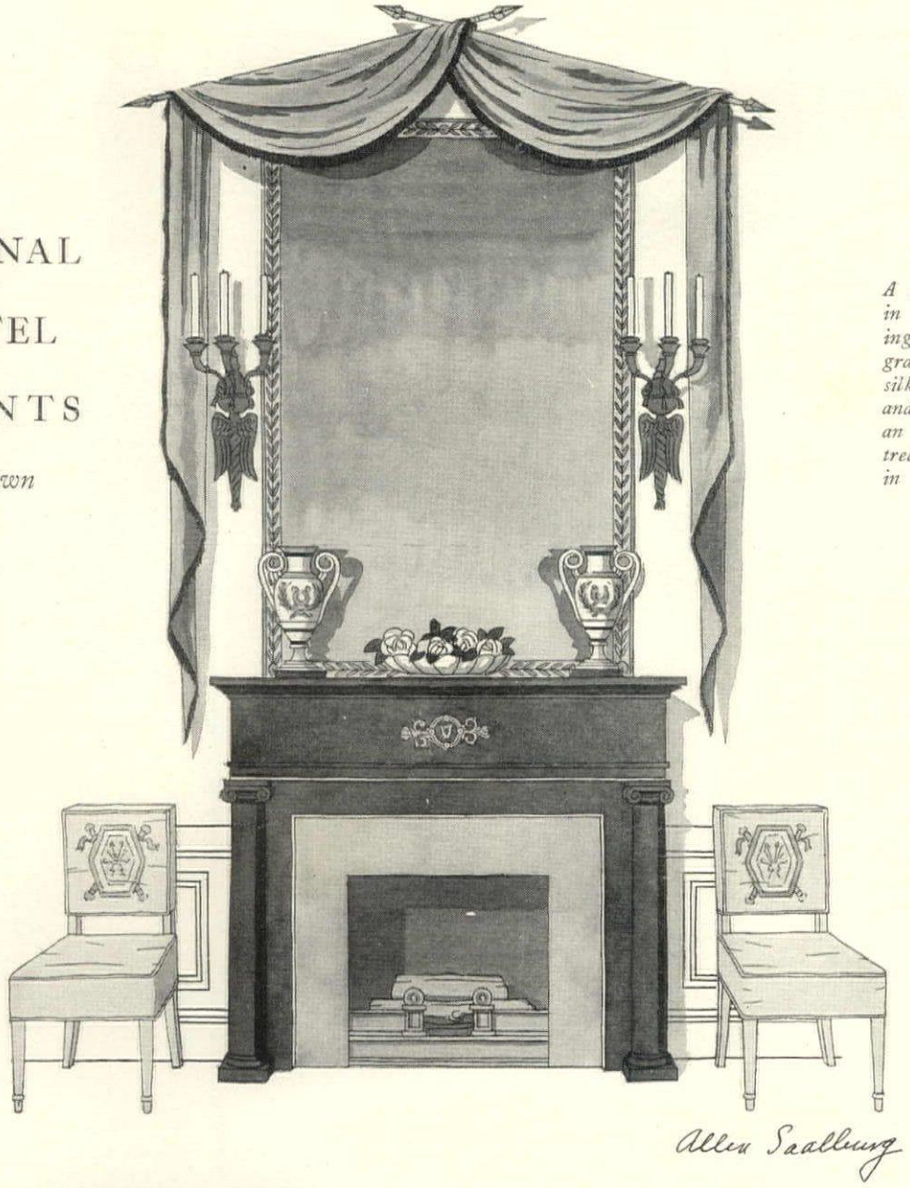
When there is no mantel in a room, a narrow bracket shelf, of the type shown above might be used



The frame of the mirror at the left is marbleized in black as a contrast to the white objects on the mantel

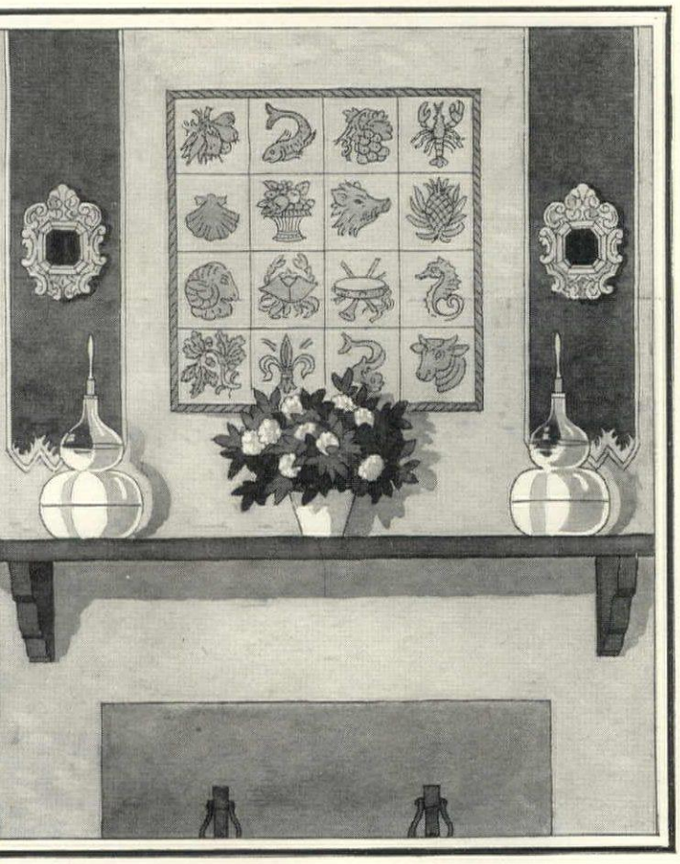
OME ORIGINAL OVERMANTEL REATMENTS

Designed and Drawn By Allen Saalburg

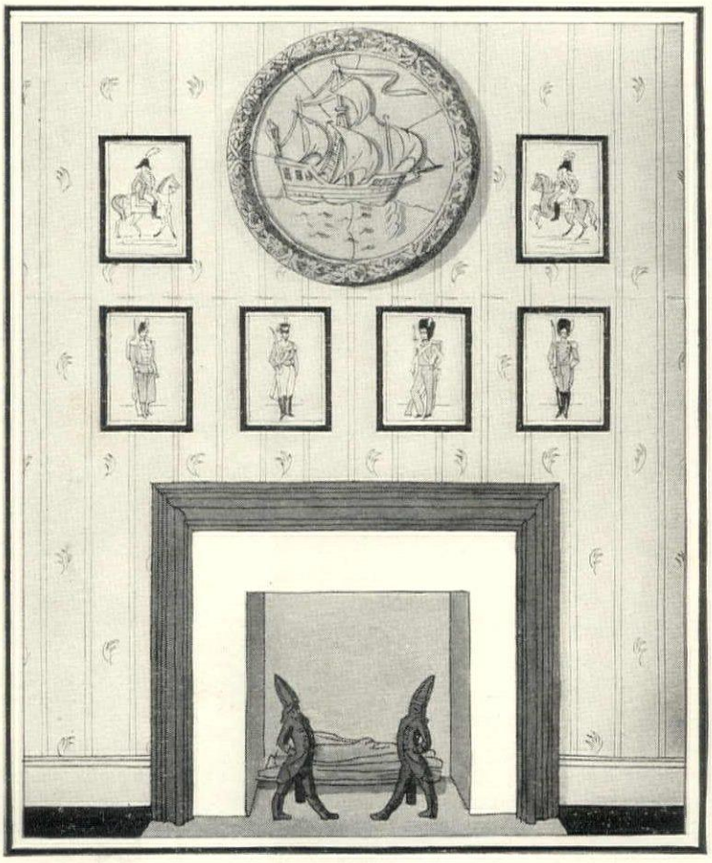


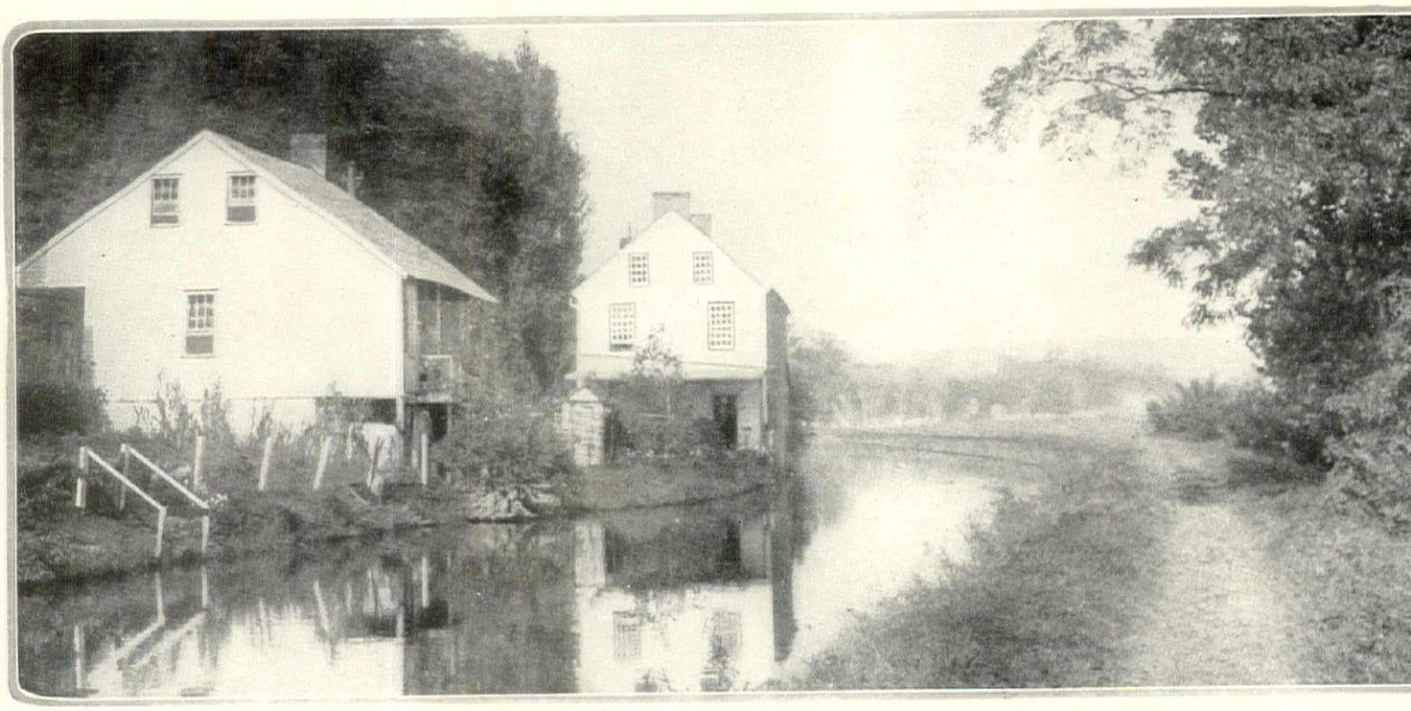
A slender mirror framed in narrow painted molding and bordered by a graceful drapery of soft silk hung from crossed and gilded arrows makes an effective over-mantel treatment for a room done in the Empire manner

lacque of brilliant- colored tiles is unted flush with wall in the Span- room below. The mirrors on either are hung against ps of old brocade



Below. In a boy's room the wall space above the fireplace is made interesting with a polychrome tile ship placque and a collection of soldier prints in vivid colors





Antoinette Perrett

The houses rise from the banks of the canal and face the highway and slate cliffs on the opposite side. The river lies just over the curving towpath

OLD HOUSES ON THE DELAWARE CANA

The Buildings Beside This Placid Waterway Have Taken on the Peaceful Quality of the Stream that Holds Their Reflections

ELIZABETH BOOTES CLARK

SO MUCH interest has been centered about the New Hope section of the Delaware Valley because of its unique artist colony that the beauties of the canal and river *above* that point are not so well known. There are many bungalows here and there all along the canal but it is above New Hope and Lumberville that some really primitive spots exist—primitive and very beautiful.

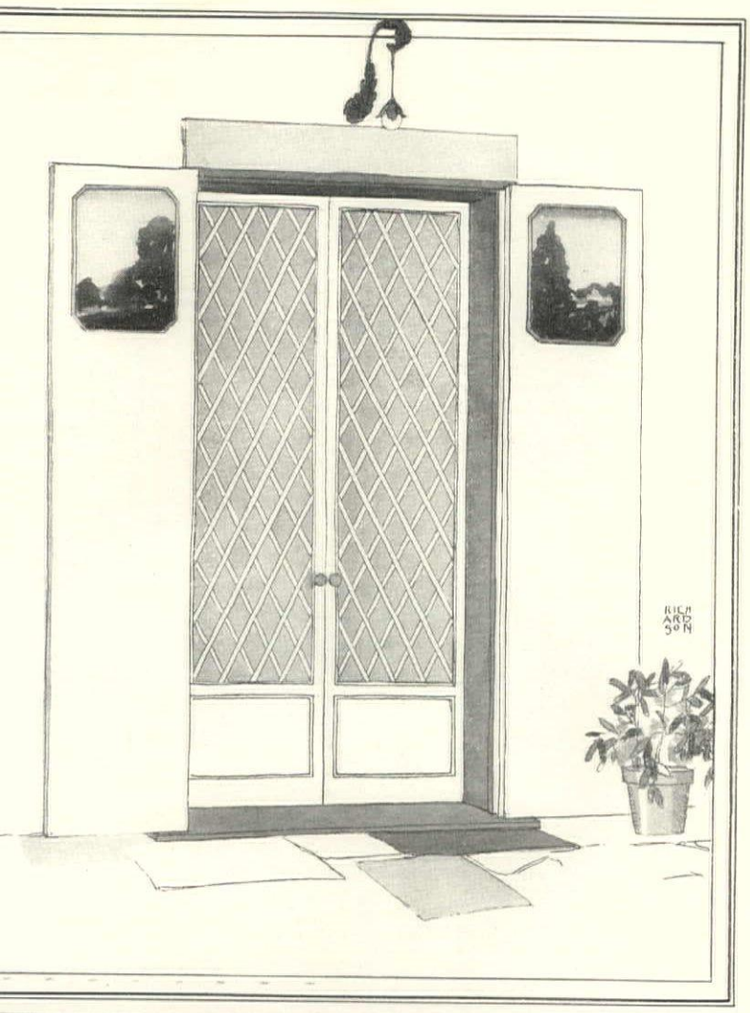
For there is a rare effect of rugged cliffs in that inestimable shade of dahlia-pink slate, combined with the mysteriously quiet flow of a canal and the swift, open flow of a river. The lure of those two streams, so different in feeling, running for miles and miles side by side has a great appeal for the imagination. The Delaware has many rapids all along its course, is broad and very sparkling, and each drop of water seems a drop of life itself. While beside it crawls this dark and snaky form—the canal itself, confined within its narrow walls, mysterious and exciting. One is reminded over and over again of "The Water Babies" and Kingsley's lines beginning "clear and cool, clear and cool, by laughing shallow, and dreaming pool," and the contrast he gives of two such streams.

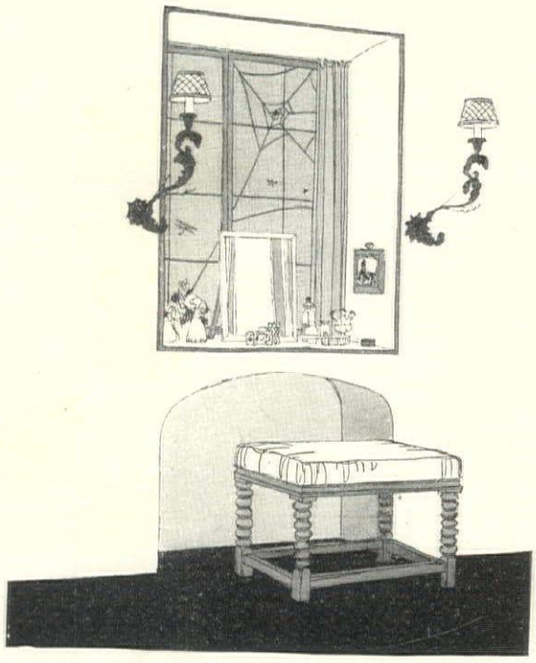
Many years ago stone canal houses were built along the canal's edge, for the most part on the burn-side. These were for the lock tenders and other employees of the company; for this is a "coal-canal" and still in use to transport coal from the Pe sylvania mines. With the exception o few still needed for lock tenders th houses have since been abandoned and years have stood idle. But the old maso and fascinating interiors soon appealed discriminating eyes searching summer qu ters, so that, today, a canoe trip up canal means passing from one artist gr to another, sketching on the lawn j along the canal, knitting on the fur little back porches ov hanging the canal, otherwise occupied in su mer pastimes.

Some of the hou seem to rise directly of the canal, their s walls flush with those the bank; others ha space for lawn and su old fashioned flowers Zinnias, Lady Slipp and Stock.

A distinctive featu of the canal life whi (*Continued on page 9*

This bridge is typical of those which cross the canal at frequent intervals. The great White Willows are typical, too





Where iron work is an important feature, an interesting effect can be obtained by the use of wire patterns on the screen cloth, such as the delicate spider web above

Left. Delicate lattice work in front of the screen cloth, painted to harmonize with the frame, improves the ordinary screen door

THE MATTER OF SCREENS

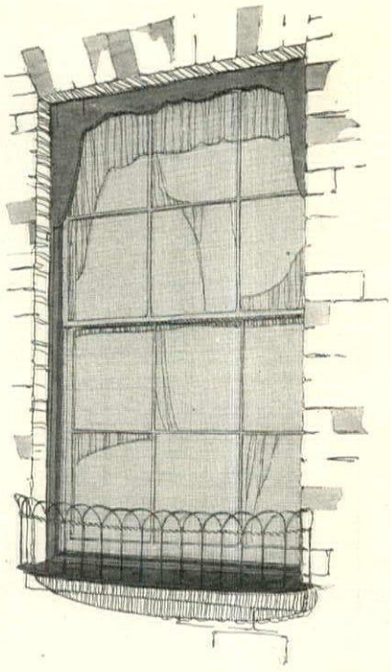
MRS. HARLAND H. ALLEN

SCREENS contribute more to one's general comfort between May and October than almost any other article of household equipment. Not only must the windows be screened if the house is to be made immune from summer insects, but every door and porch as well. The problem is three-fold: of what shall the frames be, how they shall be hung, and the choice of wire cloth and hardware.

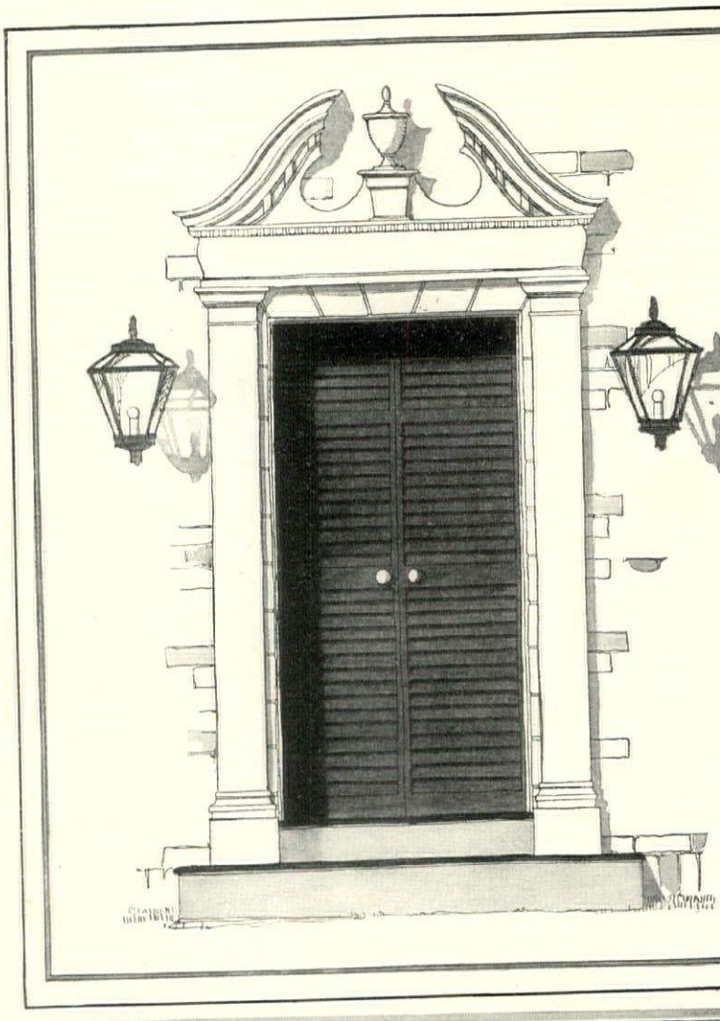
There is very little tradition to hamper the selection of material for frames, because the commercial manufacture of window screens is hardly more than thirty years old. Our ancestors had no problem of window screens, nor did they set any standards, so the choice between wooden and metal frames can be made on a practical basis.

The first cost of the wooden frame is less than metal and it is conveniently re-

Left. The window back of the settee is fitted with vertical twin sliding screens. The screens in the window at the left slide to the side. International Casement Co.



When it is advisable to have a roll screen outside the window, the screen box may be concealed behind an ornamental valance board, as shown in the sketch above



A decorative treatment for a formal doorway is shown at the right. The slatted blind doors are mounted with screens inside

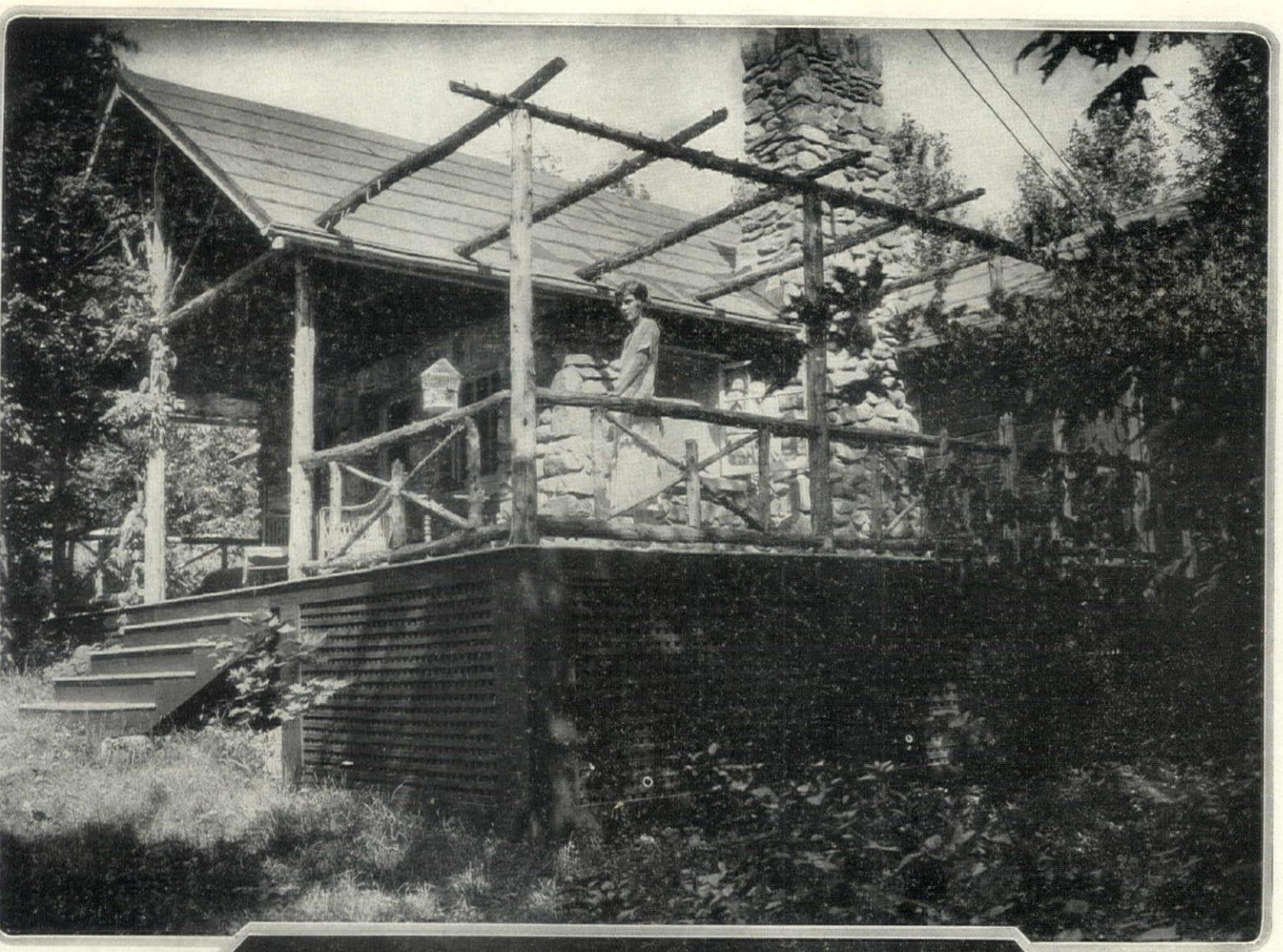
paired. Unfortunately, however, it needs repairing oftener than the sturdier metal frames. There has to be comparatively considerable bulk to the wooden frame, so it reduces the size of the window opening and seldom makes any improvement in the appearance of the house. When wooden frames are used the most satisfactory material is a soft white pine, as this absorbs the paint and wood preservatives better than oak or the other hard woods. But where the screens are required to match the natural finish, any type of wood in the house construction will do.

Metal frames are of long life, and less conspicuous in appearance than wood. Sometimes, as with stone or brick construction, the architectural lines almost demand them. Being a rather recent development the metal frame is still in the process of evolution, and there are several types of construction. The things to observe in making a selection are the gripping devices for holding the screen cloth, and the ease with which this can be reversed when necessary. In structure some of the metal frames are of tubular construction, while others are made to resemble the wooden ones.

(*Continued on page* 88)

Drix Duryea

In the residence of Charles E. Chambers at Fieldstone, N. Y. outswinging casement windows are fitted with convenient hinged screens. Julius Gregory, architect



Finley

This camp in the Westchester hills has been built of stone off the site and splendidly designed with an eye more to comfort than to sophistication

Plain plastered walls and dark, waxed woodwork give just the proper touch of simplicity to the cabin's interior. D. Frederick Secord, owner

THREE PAGES OF CABINS IN TIMBER AND STONE

This cabin lies in the oak woods of Alabama and has been carried out almost entirely in that immediately native material. S. E. Thomas, owner and builder

The main room of the cabin combines sleeping and living quarters. In the center of the room a sapling ladder serves as a staircase to a balcony under the ridge

By building in a perfectly straightforward manner beauty of line and proportion is almost inevitable. Here the horizontal lines of the logs, the slopes of the roof and the tapering bulk of the chimney achieve quite unconsciously a peculiarly satisfying charm

replace end of the liv-
om, of which a view in
er direction is shown on
osite page, proves what
ess is possible in the use
imitive materials, not
the actual construction
cabin itself but in the
ure and fittings as well

NEW EQUIPMENT FOR THE KITCH

In This Age of Ingenuity the Kitchen Comes in For Its Share of Delightful and Efficient Accessories

ETHEL R. PEYSER

IF FASHION in dress is changeable and presided over by Paris surely household equipment is changing and is governed by America, for in this country the manufacturers keep their ear to the ground constantly to add new styles of furnishings and utensils, as well as improve the present equipment. In order to keep our readers abreast with the newest developments we will describe some of the latest things.

KITCHEN DINING SETS. Nothing in the nature of kitchen furnishings has shown to us the change in living conditions quite as much as these sets; nothing, either, has brought to our minds more sharply the way in which the manufacturer to-day keeps pace with the trends of living and new styles of service. Due to the dovetailing of kitchens and pantries, and dining-room and kitchens, a new trend in furniture is seen: —the kitchen nook sets. They are compact, and upon first glance you would think that they were for the young folk of the house. On second glimpsing, however, you will see that they are made small, only to fit into the spaces allotted to them in this new, cramped housekeeping age. The sets consist of a dining-table, chairs and serving table, some in natural finish and others in painted wood. Some have two chairs, some have four, others have more. Some sets, too, have no side table. Of course, the range in price depends upon the style and number of pieces.

CABINET SHELVES. Little need be said of these for steel kitchen cabinets in all sizes and dimensions, with their porcelain table surfaces, silent working drawers and doors, and containers for everything from spice to brooms, have been sung in these pages over and over again.

CLEANING CABINET. The housing of cleaning materials, soaps, rags and powders is easily accomplished in the little overhanging white enamel cabinets, the sensible substitute for dark and subterranean nooks formerly used. We find, to tell you a secret, that when the cleaning things are kept in "plein air" more cleaning is done and better!

TABLES. In the company of tables there is much change and fascinating permutations. A new line that has been tested well, is that of the table with adjustable feet!

Hewitt

Beauty belongs to the kitchen as well as efficiency. The cupboard side of this one shows what may be done with its decoration. The color scheme is jade green, yellow and pink

The trouble with most tables is that they are *too* fleet of foot, and rock and tilt on the floor to the confusion of the worker! This new table has adjustable nickeled silver feet which can be screwed to a distance of ¾ of an inch, so that the table can always be made to stand steadily and even. It can be bought in five sizes from 18 by 27, to 36 by 48. Each table has one drawer of fine wood, well made, and the top or counter is of the finest quality of po They are very pretty too, for they blue black enamel line skirting the the table counter, making the ename table and the top stand out in contrast.

These tables have but one fault is the common fault of most ever made for the ease an fort of woman-kin that is they are but inches high wher should be at least then up, depending height of the work is surprising how fe ers make the table high enough and ye altitude has been adv by workers in kitch and law for ove decades! Yet this changed by puttin otherwise excellent t blocks of wood . . if you are very sh stature any table y will suffice.

CABINET BASE T This is a small tabl which you may or n want to put a kitche net top. It is valu itself and has a pastry enamel counter, shelf, and wire rack the door. It stands 31 inches high.

TABLE WITH SWI STOOL. This is often the domestic scienc for it has the swingin which saves the worl her work and n grinding fatigues. It in many sizes, too, and is beau equipped with an enamel top, flou divided drawers, racks and pastry If you have to do your own work f reason whatever, you will enjoy thi sister, the complete kitchen cabinet.

OBLONG TABLE. This is a smal measuring 18 by 24 inches and h little drawers and one very deep dra fine porcelain top crowns it and, be oblong shape, it can fit into a narrow in the wall, for the drawers pull ou the narrow end of the oblong.

WIRE SHELVING. Vegetables when

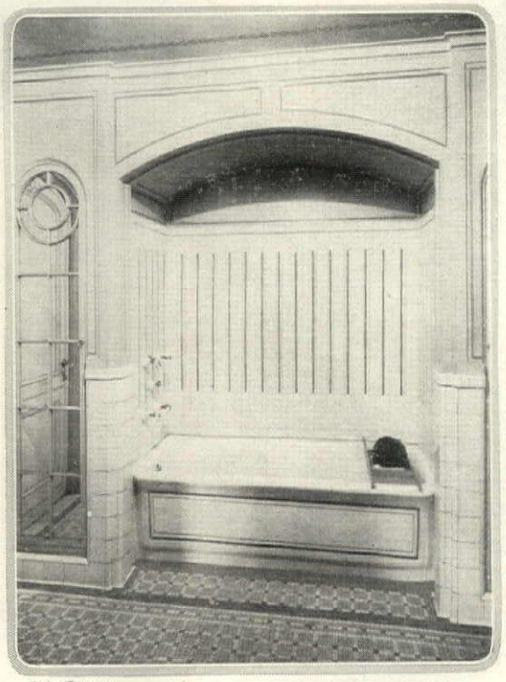
(*Continued on page* 96)

rror paneled walls, tawny r chintz curtains, and wood-rk the color of old red quer are features of the at-tive bathroom at the right. lsie de Wolfe, decorator

he background of the bathtub niche the room above is painted in a coratiwe design of swans and pond ies. The surrounding walls are neled in gray marbleized wood

A PAGE OF UNUSUAL BATHROOMS

A black and gold scheme distinguishes the room above. The marbleized walls are in these colors, decorated with black Wedgwood placques. A. Wallace McCrea was the architect



Drix Durrea

The efficient looking bathroom shown at the left has painted walls, a niche lined with white tiles and a colorful tiled floor in a pattern of small squares. A. Wallace McCrea, architect

THE KING OF WOOD

Oak Has Reigned Unceasingly Since Ancient Times, a Symbol of Strength and Durability

SAMUEL J. RECORD

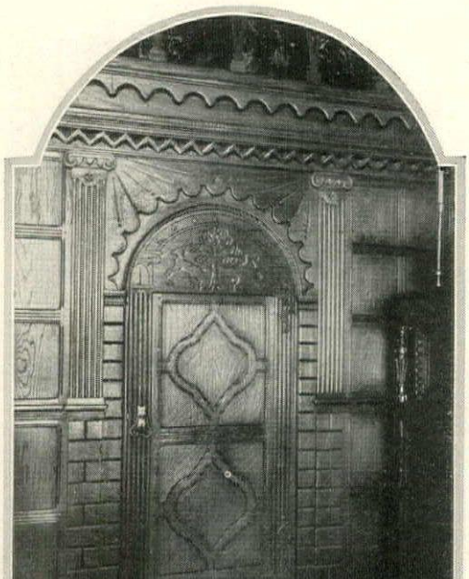
IT IS no exaggeration to say that the oak is the most useful tree in the world. Perhaps the best estimation of this tree is by Marquis, a French writer of two centuries ago, who represented the oak as holding the same rank among the plants of the temperate hemispheres that the lion does among quadrupeds and the eagle among birds. It is the emblem of grandeur, strength, and duration. Its massiveness and its longevity, together with the many remarkable properties of its timber, attest its superiority. In a word, oak is the king of forest trees.

The oak was dedicated by the ancients to Jupiter, because it was said that an oak tree sheltered that god at his birth, and there is scarcely a Greek or Latin poet or prose author who does not make some allusion to this tree. The most celebrated poetical description of the oak, as well as one of the oldest, is that of Virgil who speaks of

"—Jove's own tree,
That holds the woods in awful sovereignty."

The oak was also the emblem of hospitality; the civic crown of the Romans was formed of oak; oak boughs were carried in certain religious rites and in marriage ceremonies. The Druids worshipped beneath an oak and held in especial reverence the mistletoe that grew so sparingly upon it. They professed to maintain perpetual fire and once every year all the fires belonging to the people were extinguished and relighted from the sacred fire. This was the origin of the Yule log, and this log was always of oak.

The fruit of no other tree is more distinctive than that of the oak. Its name, acorn, meaning oak corn, is significant of the former importance of the mast as food for man and beast. Pliny tells us that, in his time, acorns formed the chief wealth of many nations, and that they were often ground into meal and made into bread. Acorns were credited with being the common food of man until corn was introduced by Ceres. In Strabo's time, Rom chiefly supplied with swine whic fattened on the mast in the woods of In the earliest notices we have of t in Britain, the chief value of th appears to have been in the foo afforded for domestic animals. Th fulness of the oak as a fruit tree li extends to every country of its g including our own.



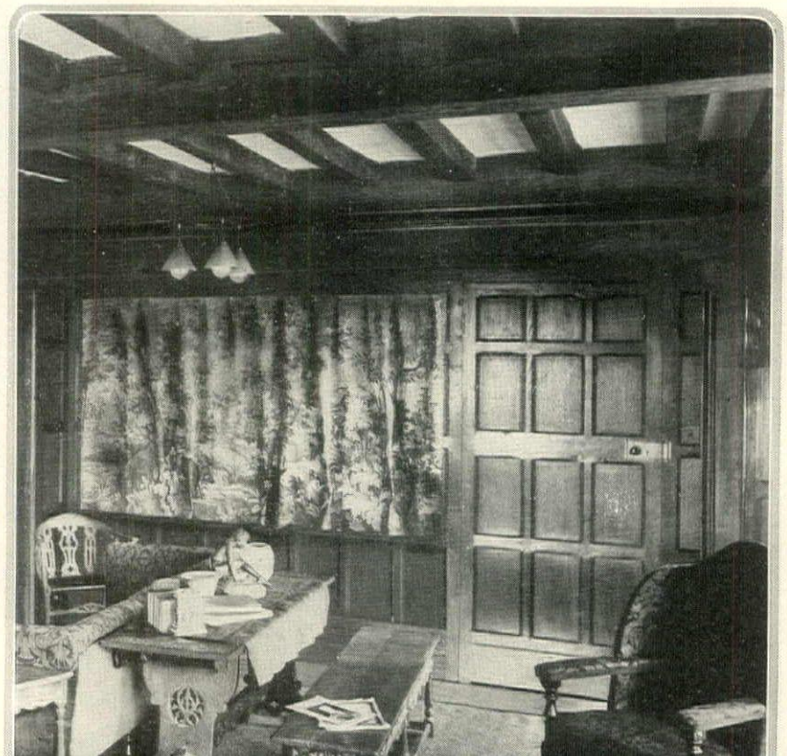
Gillies

The doorway and paneling here show the characteristic beauty and strength of oak carving. Walker and Gillette, architects

The bark of all the species o abounds in tannin and gallic acid, or may be, used in tanning. The be bark in the United States is from the nut oak of the eastern states and th bark oak of California. The bark black oak furnishes a yellow dye used in dyeing wool and silk. Acor and the galls produced by stinging are commercial products used for ta dyeing, and the manufacture of ink kermes oak of southern Europe a Levant affords nourishment to a scale much like cochineal, which former extensively employed in dyeing, pro a permanent and rich blood-red col was known to the P cians before the ti Moses, and to the Greeks and Romans of the old tapestr Flanders owe much o beauty to this dye.

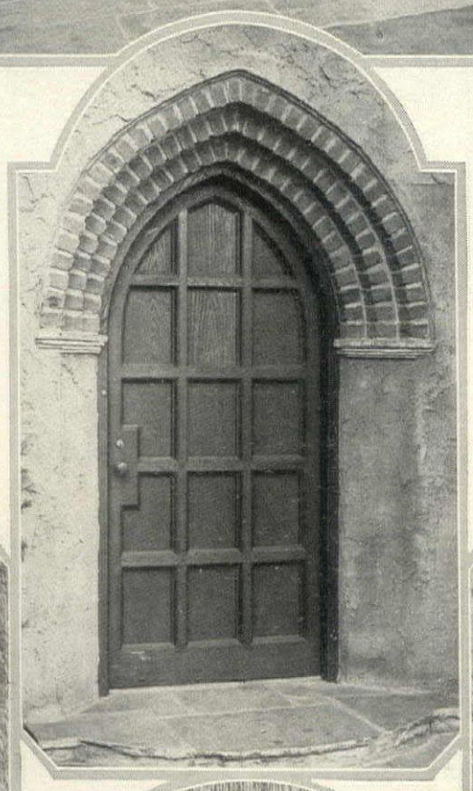
The bark of an o native to southern I produces the cork o merce. The early R used it for insoles o and for stoppers as today. Evelyn, writin years ago, says tha poor people of Spa planks of it beside bedside to tread on, a persons use Turke Persian carpets, to c them from the floor. times, also, they li inside of their house of stone with this which renders them warm, and correct moisture of the air.

(*Continued on pag*



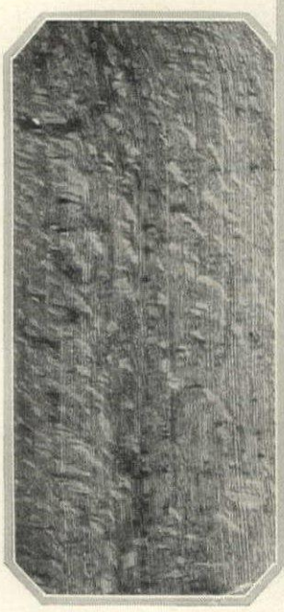
The variety of uses to oak may be put is m in this English in where beams, paneling niture and floor are in this wood

The walls of this room are of plain oak boards, stained and waxed. A stone flagged floor, masonry and parged ceilings are fitting accompaniments

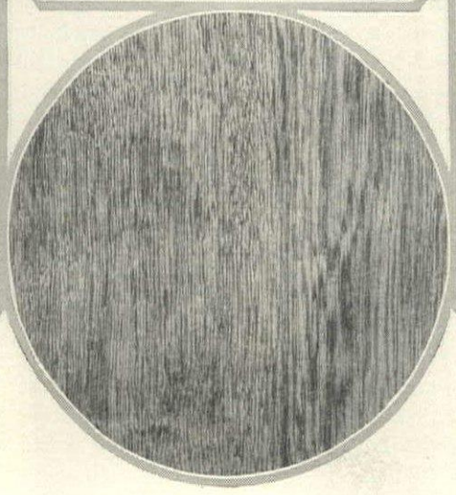


For a door which must be of an essentially sturdy character, such as this one in its frame work of brick and stone masonry and stucco, oak is the ideal fabric

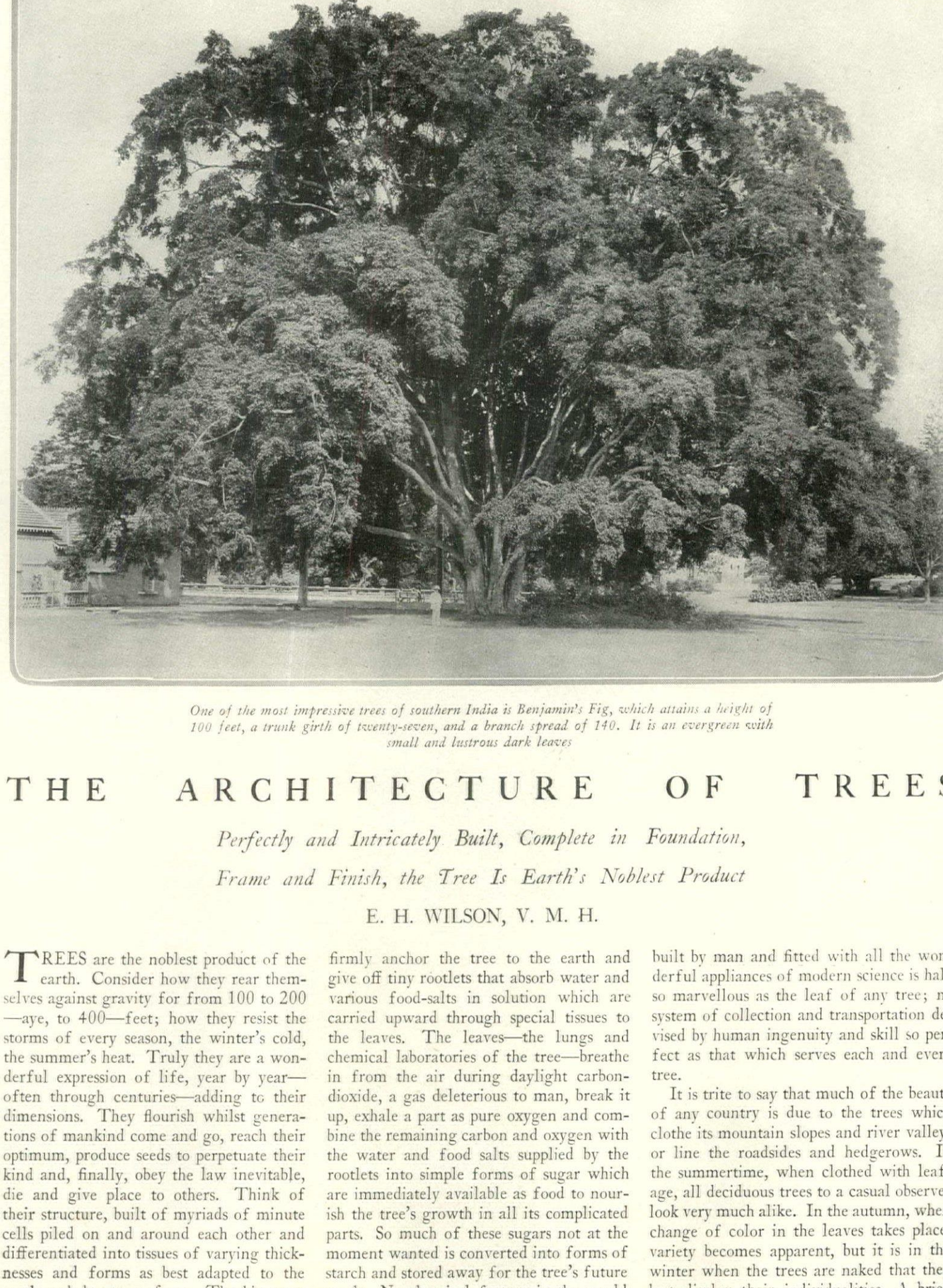
Below is a quarter-sawn surface of English oak with its rays of white and the splashes of black giving it a lively surface texture



Exquisite pattern effects are possible with oak as well as other woods. This panel is made from matched veneers of white oak crotch



In a piece of plain oak the white rays are not brought into prominence but the surface is still one of great beauty



One of the most impressive trees of southern India is Benjamin's Fig, which attains a height of 100 feet, a trunk girth of twenty-seven, and a branch spread of 140. It is an evergreen with small and lustrous dark leaves

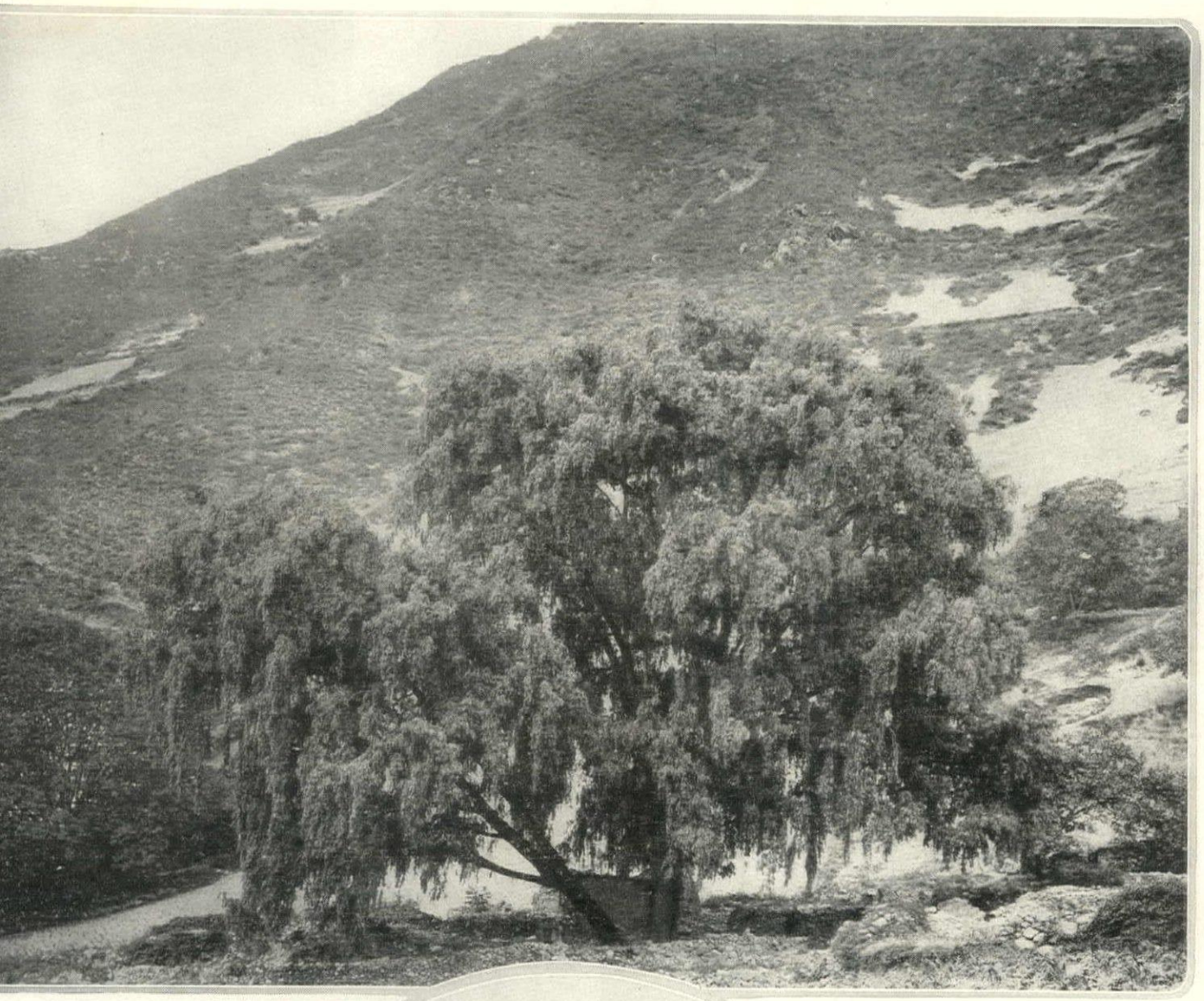
THE ARCHITECTURE OF TREES

Perfectly and Intricately Built, Complete in Foundation, Frame and Finish, the Tree Is Earth's Noblest Product

E. H. WILSON, V. M. H.

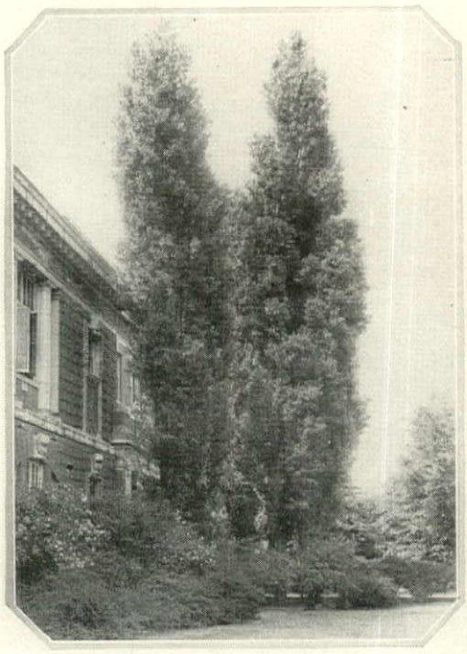
TREES are the noblest product of the earth. Consider how they rear themselves against gravity for from 100 to 200 —aye, to 400—feet; how they resist the storms of every season, the winter's cold, the summer's heat. Truly they are a wonderful expression of life, year by year—often through centuries—adding to their dimensions. They flourish whilst generations of mankind come and go, reach their optimum, produce seeds to perpetuate their kind and, finally, obey the law inevitable, die and give place to others. Think of their structure, built of myriads of minute cells piled on and around each other and differentiated into tissues of varying thicknesses and forms as best adapted to the work each has to perform. The big roots firmly anchor the tree to the earth and give off tiny rootlets that absorb water and various food-salts in solution which are carried upward through special tissues to the leaves. The leaves—the lungs and chemical laboratories of the tree—breathe in from the air during daylight carbon-dioxide, a gas deleterious to man, break it up, exhale a part as pure oxygen and combine the remaining carbon and oxygen with the water and food salts supplied by the rootlets into simple forms of sugar which are immediately available as food to nourish the tree's growth in all its complicated parts. So much of these sugars not at the moment wanted is converted into forms of starch and stored away for the tree's future needs. No chemical factory in the world built by man and fitted with all the wor derful appliances of modern science is hal so marvellous as the leaf of any tree; n system of collection and transportation de vised by human ingenuity and skill so per fect as that which serves each and ever tree.

It is trite to say that much of the beaut of any country is due to the trees whic clothe its mountain slopes and river valley or line the roadsides and hedgerows. I the summertime, when clothed with leaf age, all deciduous trees to a casual observe look very much alike. In the autumn, whe change of color in the leaves takes place variety becomes apparent, but it is in th winter when the trees are naked that the best display their individualities. A brie

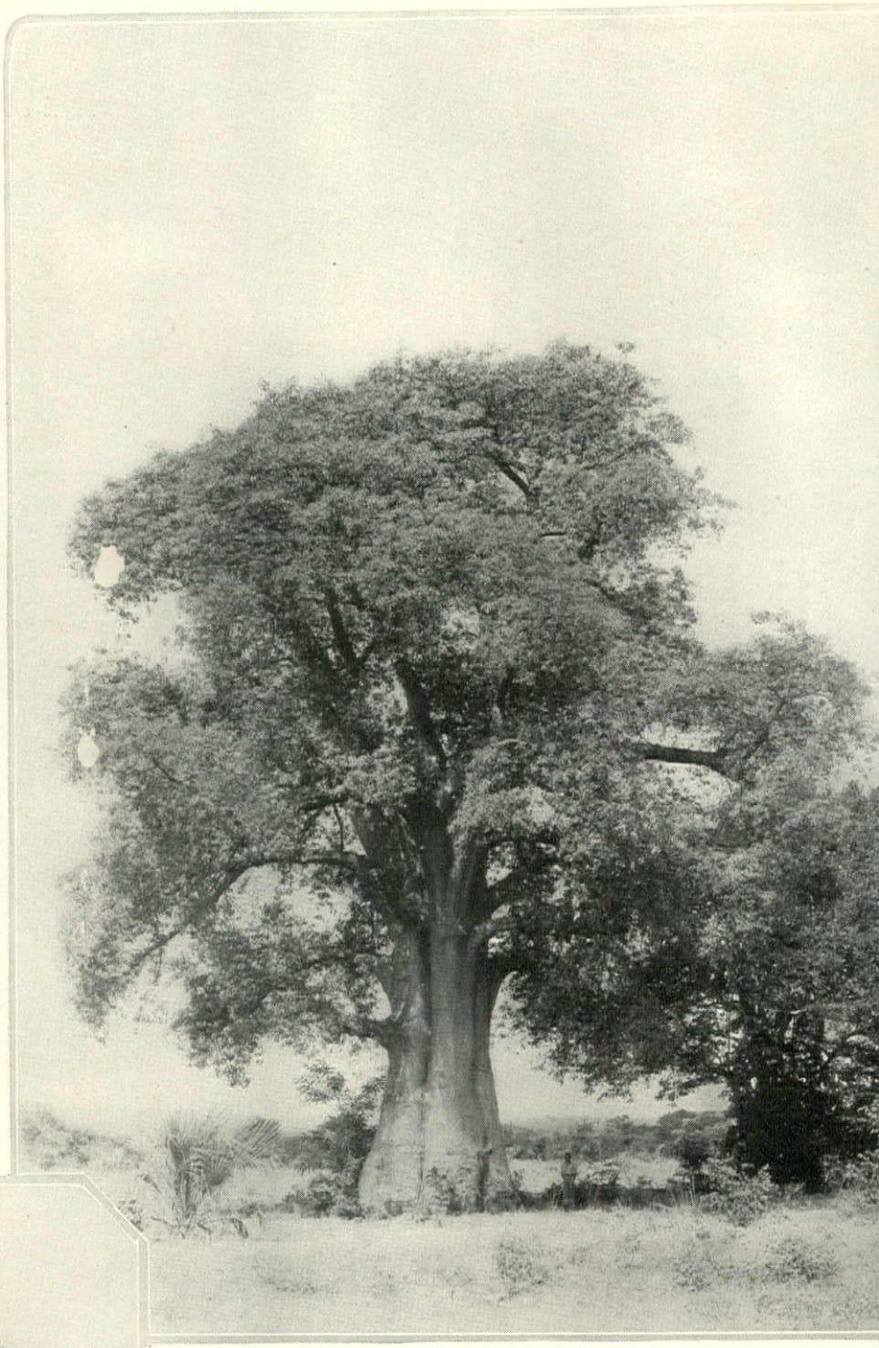


Graceful, pendent branches that sway in the lightest stir of air give to the Willow of Babylon a character possessed by no other tree. From a photograph taken on the Chino-Thibetan border

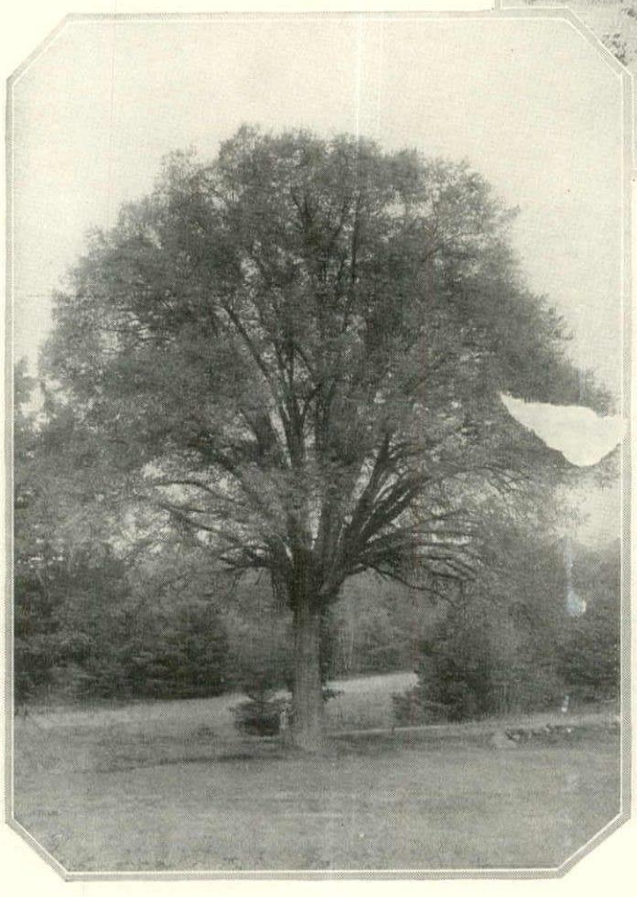
considered as e or in detail, ar of Lebanon y justifies the and love in t has been held uries. The one here is grow- n English park



Properly used, the Lombardy Poplar has real architectural merit. Its green spires against the sky-line hold a unique place in landscape art



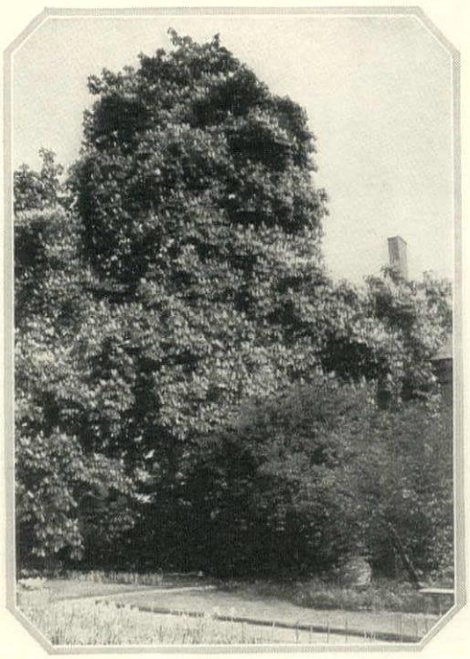
Tropical Africa is the home of the Baobab, a strangely proportioned tree of moderate height. Its smooth-barked trunk sometimes measures sixty feet in circumference, though its tissues are pulpy



One of the several shapes of American Elm, an eighty-foot specimen quite different from the vase-shaped type. Such giants are not infrequent in the New England States

study will enable anyone in winter out an Elm, Oak, Sugar Maple, Hickory or Silver Birch. The gen pect, position of main branches, t of the shoots, character of the ba often of the buds, each or several easy clues to identity.

In different trees the bark varies in appearance and enormously in th In the Beech it is firm and smooth, trees a hundred years old it is scarce than half an inch thick; in the O thicker, but none of our commo has really thick bark. It is in the Bi of California that the bark attains imum development, being in adu often as much as thirty inches thi mere thickness has no bearing on th mental character of the bark. The Birch, felicitously called "Lady Woods," is known to all by its



The Horsechestnut is attractive at all seasons, but supremely so when, in early summer, its branch tips are alight with spired flower clusters

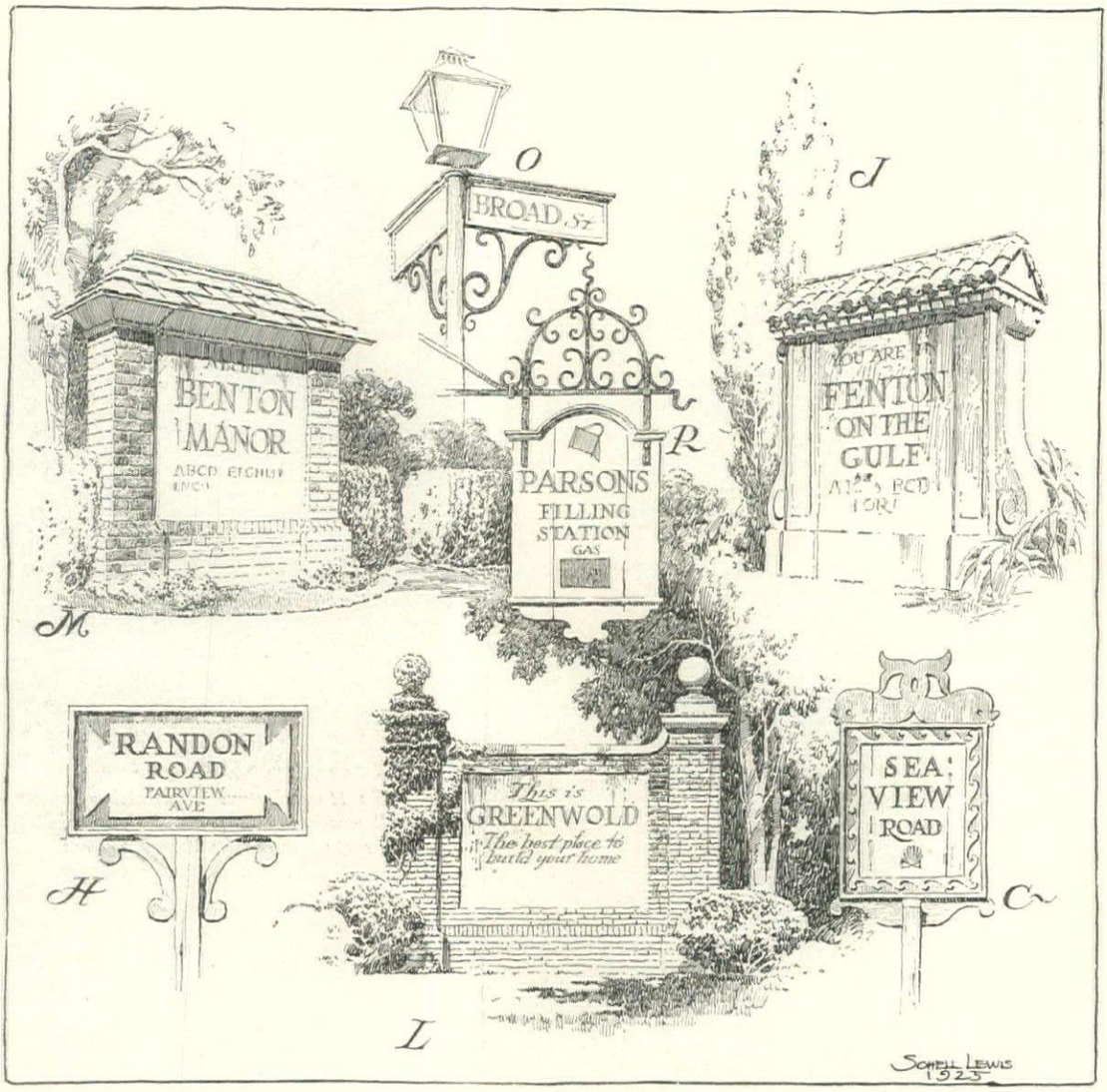
Extreme ruggedness characterizes the architecture of the White Oak. It is the sort of tree of which one never tires, whether in the bare winter months or during its season of rich, luxuriant foliage

In Srinagar, Kashmir, are perhaps the most wonderful Oriental Planes. Here one sees huge specimens a hundred feet high with magnificent, broad-leaved crowns

hite bark which peels off in thin layers. The American Beech has smooth, grayish hite bark, the Red, Silver and Sugar Maples have pale gray bark which becomes arker and fissured on old trees. Many of e American White Oaks have gray bark hich becomes fissured with age. The uropean Oak *(Quercus robur)* and the ed, Black, and Chestnut Oaks of America ave dark bark, varying according to the ecies from nearly smooth to deeply fisred. In the Sweet Birch the bark is lmost black; in many Cherries it is lusous, chestnut-brown, and peeling. In the lane and certain Hickories the bark flakes ff in strips leaving smooth, white or pale rown scars.

Scarcely any two species of trees are bsolutely identical in habit of growth and anner of branching and among different

(*Continued on page* 108)



ROADSIDE SIGNS FOR TOWN BETTERMENT

The Beauty of a Well Executed Sign Multiplies the Effect of the Message it Carries

IN THE early days of the Republic roadside signs were fewer than they are now and were done with the thoughtfulness and care which seemed to go with those less crowded times. Now, after many years of stark and staring posts and boards, all serving their purpose efficiently but with little regard for beauty, roadside signs begin to show evidence of an artistic revival. Communities and wayside establishments are coming to realize that directions can be given, places marked, warnings conveyed and the sale of wares to the passerby announced with something more than legibility. The effect of a well made sign, beautifully designed, is like that produced by politeness. Such a sign is more than a mere message to the passing throng; it establishes a cordiality with everyone who prefers good manners to gruff.

Working drawings of these signs, designed and drawn by Schell Lewis, are reproduced on page 114 and can be obtained free of charge by addressing the Town Betterment Editor, HOUSE & GARDEN, *19 West 44th Street New York City*

The sixteen signs shown here not only serve (by means of the working drawings provided for them) as designs for reproduction, but suggest the great variety possible for still other designs. The idea has been to illustrate a series of signs which would include most of the purposes to which roadside signs may be put and to show how their own style may be fitted to their setting. The town signs shown are an important case in point. In this day of automobile touring, the motorist is on the lookout

(*Continued on page* 114)

A
This sign is made of a si board, gracefully cut, and riched with half-turnings a simple molding

B
Hung from a wrought i bracket such a sign as would indicate the charm its establishment

C
This can be turned out easily with a scroll saw. should be painted green white

D
For a school sign: a board in an open-book form lamp of knowledge in s lead and affixed

E
A flat board with groove mark the ribbon folds m an effective sign for a se private road

F
This bracketed support h a swinging sign hung fro wrought iron frame. Suit for street name

G
The same panel, with a l motive above, can be used a railroad crossing. See p 114

H
An easily made sign, and effective one when painte two or three harmoniz colors

I
This sign would make splendid bulletin board for town hall of a small c munity

J
Where Spanish architect prevails a town sign in stu and tile would be appropri

K
A pictorial sign such as is particularly effective w a light color panel and d ground

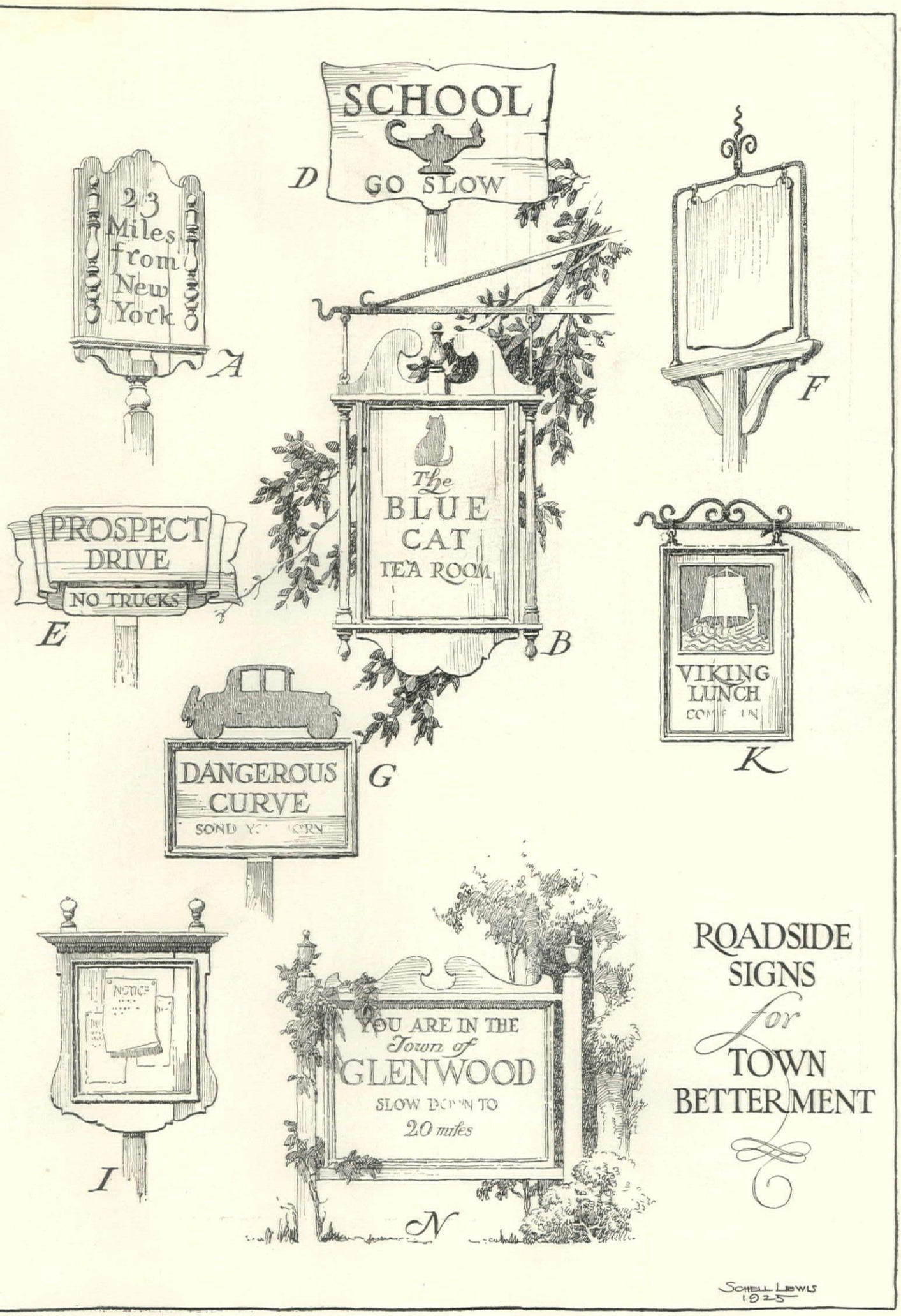
L
In a neighborhood where Ge gian architecture predomin this town sign might well used

M
A sign of English type wo serve the same purpose i community where this s was featured

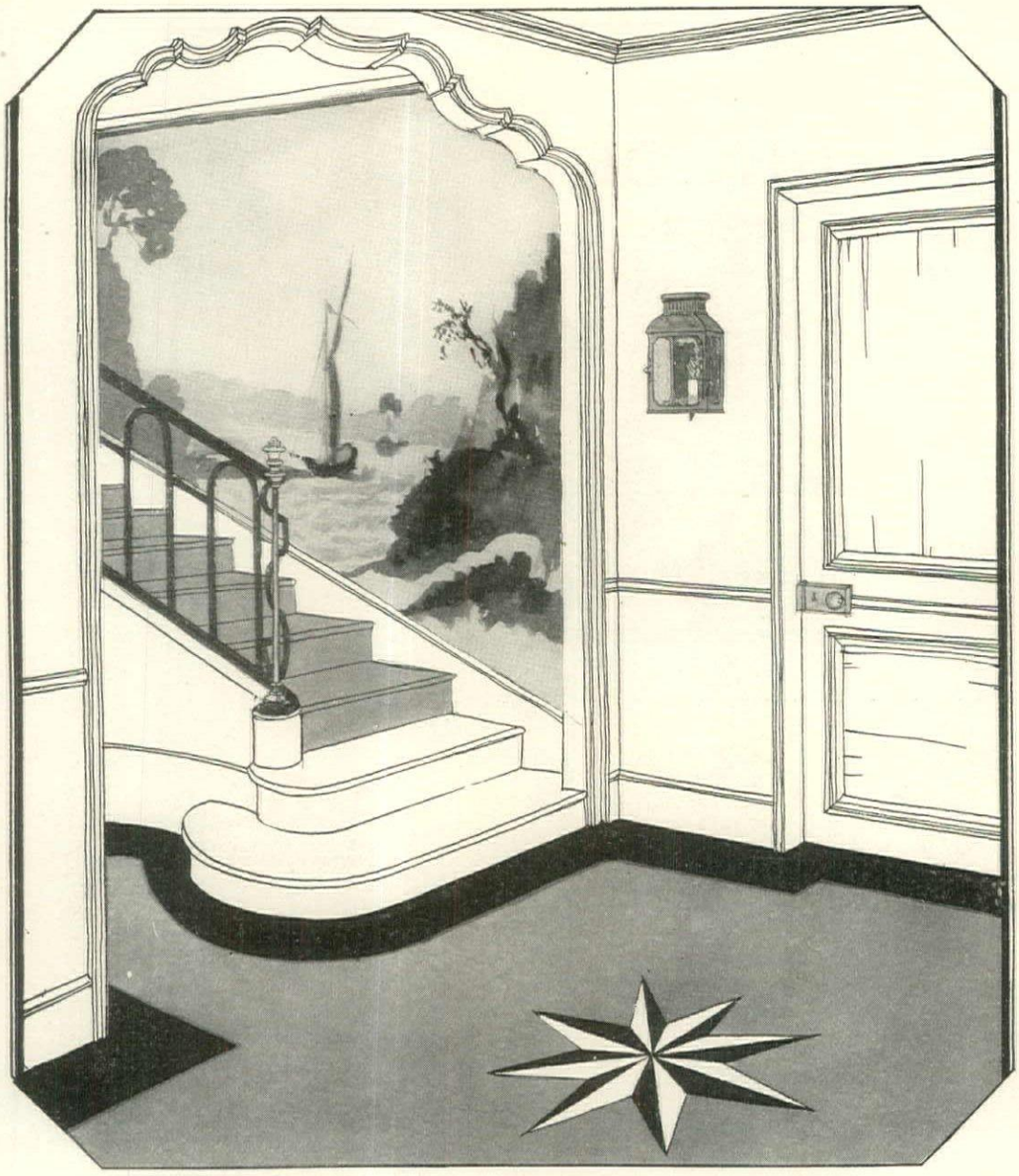
N
Attractively lettered a painted this sign would be effective mark for a sm town or village

O
A corner sign in wrou iron and copper which is b attractive and legible

P
Such a sign as this, enric with wrought iron, would much for the beauty of a f ing station

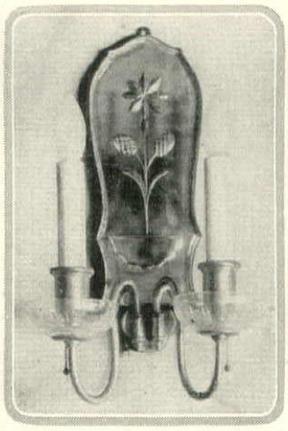


ROADSIDE SIGNS *for* TOWN BETTERMENT



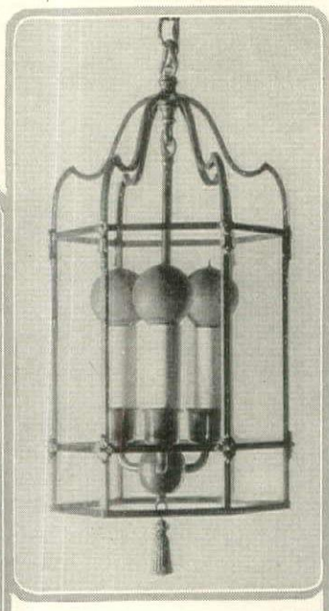
Above is copy of an old French wall lantern with a painted tin frame and painted decorations on the glass

Above. An interesting fixture for an early American hall is this reproduction of a Colonial oil lamp with brass base and fittings. From Glasner Brothers

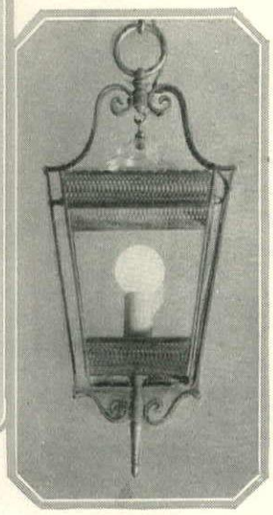


The engraved mirror sconce above might be used in a Georgian hall

For a Colonial hall comes an interesting one-light hanging lantern with a decorative brass frame. Cassidy



Suitable to many types of halls is this graceful three-light lantern in bronze and gilt finish. R. C. Heather



Another copy of a Colonial one-light brass lantern has effective pierced bands at both the top and bottom

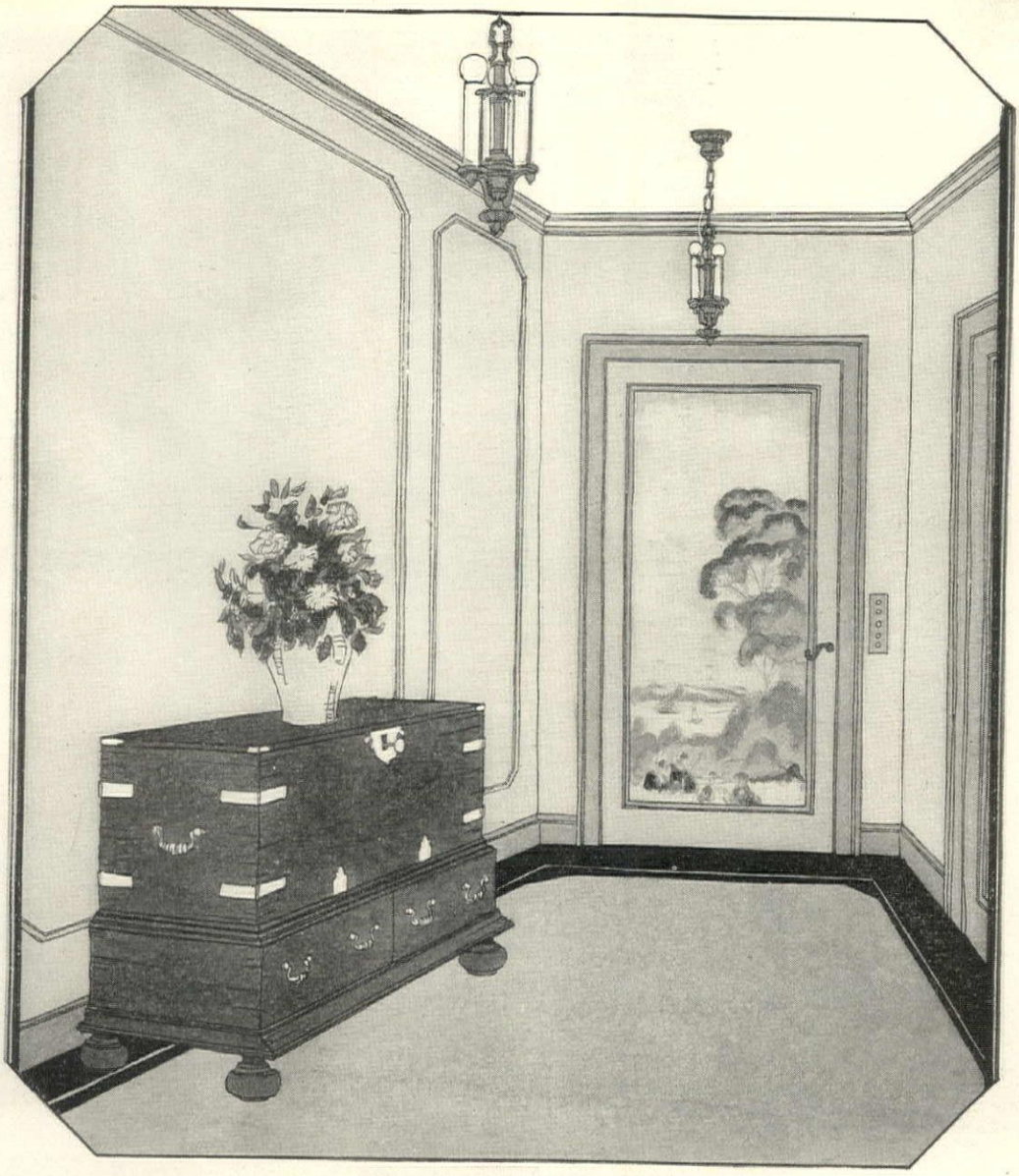
Above is a reproduction of an Early American brass candle sconce with a fluted reflector

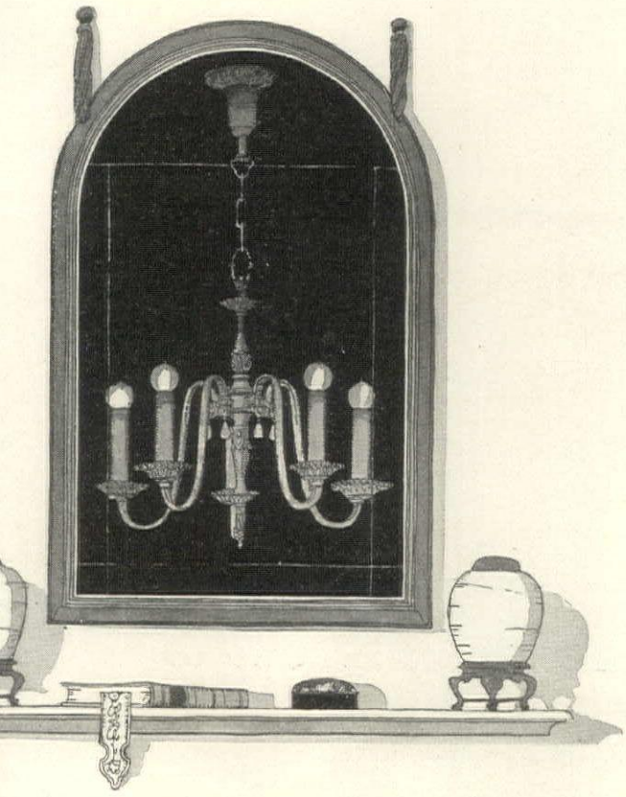
The back plate a frame of this effect hall light are pain black with gilt str ings. From Phill

LIGHTS FOR HALLS

bove is an effective star lan-
rn which comes fitted with
ear, amber or sapphire blue
lass. From G. E. Walter

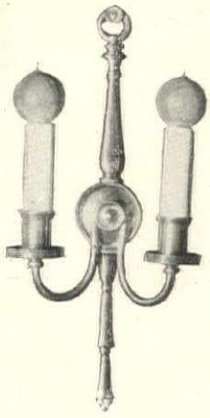
large hall requires a decorative
andelier of the type shown
low, which comes in either
tique gold or silver finish.
he Edward N. Riddle Company





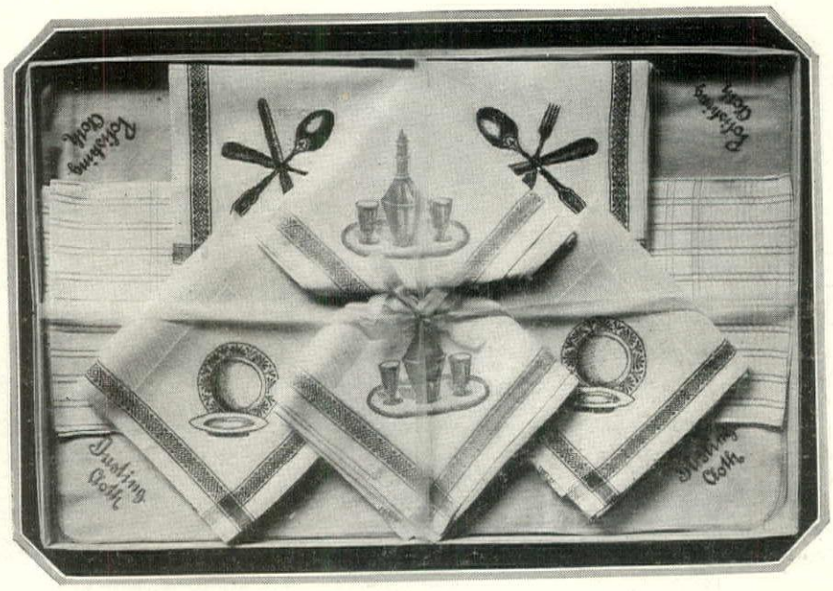
Above. For a large Colonial hall comes a reproduction of an early American chandelier. It is painted black and gold. Cassidy

Above. Slender three-light fixtures, in gold or silver finish, might be used in a long, narrow hall. The Edward N. Riddle Co.



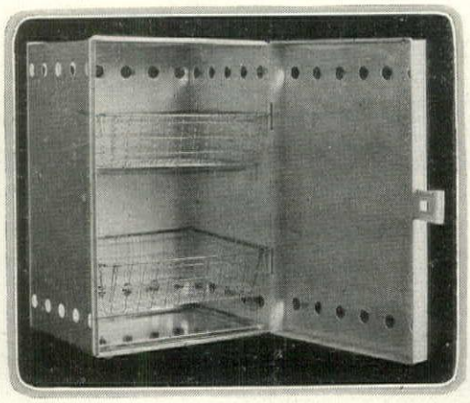
The very graceful two-light bracket at the right is brass in antique finish. The R. C. Heather Company

The articles shown on these pages may be purchased through the House & Garden Shopping Service, 19 West 44th Street, New York City. A slight service charge is included in the prices

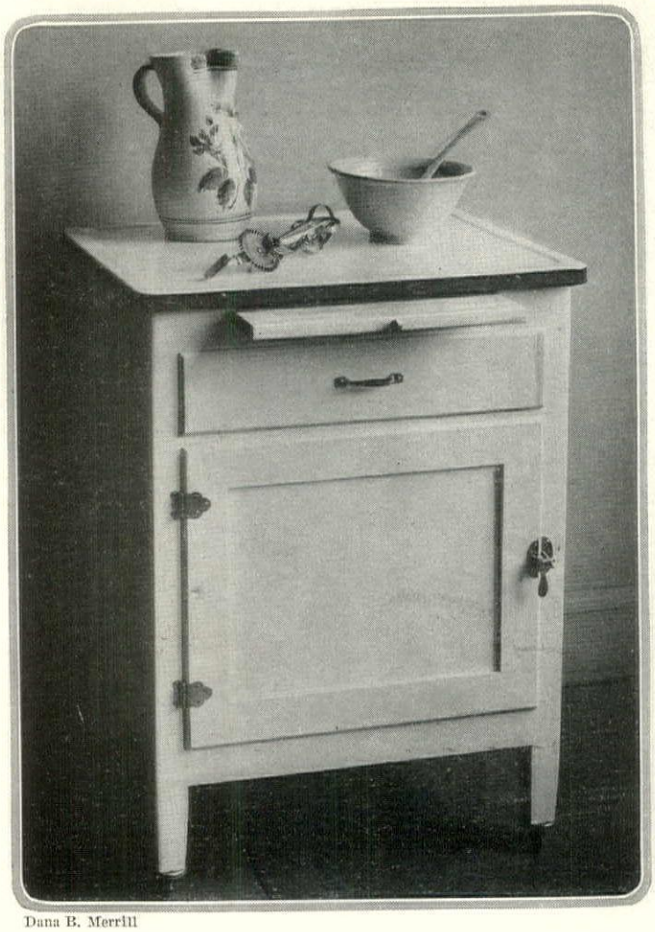


The twelve-piece kitchenette set shown above, with its gay red or blue woven designs, consists of towels for silver, china and crystal, as well as dusting and polishing cloths. The price is $12.50

Center. This white enamel metal box solves the problem of where to keep vegetables. It has two removable wire baskets and a tray at the bottom. 11 x 10 inches, 18 inches high. $5.25



Above. No more injured hands with this new and easily operated can opener which screws to the table, holds either a square or round can, and then neatly cuts the top off. The price is $2.25

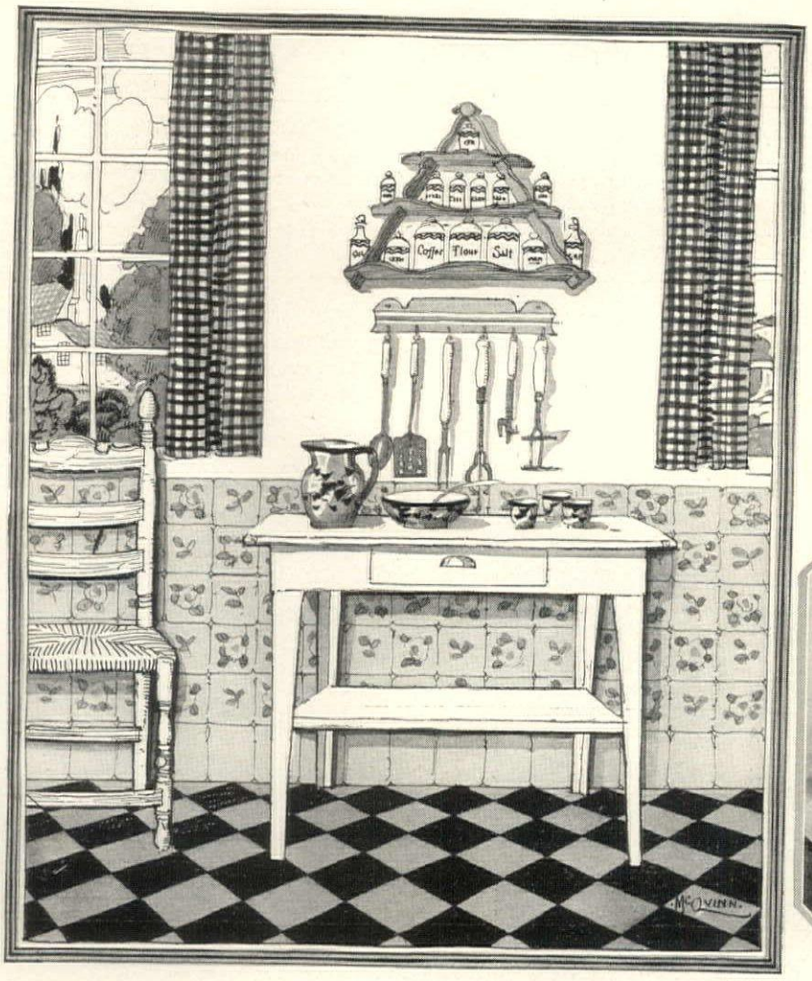


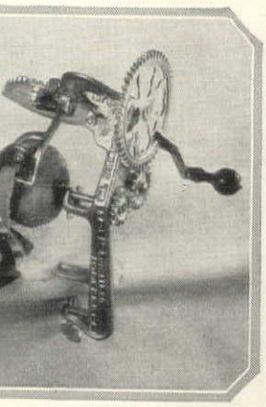
Dana B. Merrill

Very cool looking is t cream colored English eart enware. Medium size but crock, $2.25. Jar 7½ inc high, $3. Three pint b rel jug, $1.25. All pie may be had in other si

A convenient cabinet for small kitchen is of white e meled wood with a porcel top. 24 x 20 inches, 30 inc high, $20.50. Italian pott pitcher with brilliant flow design, 10 inches high, $2. Blue or yellow pottery m ing bowl, 4½ inches hi 8 inches wide, $1.25

O LIGHTEN KITCHEN LABOR

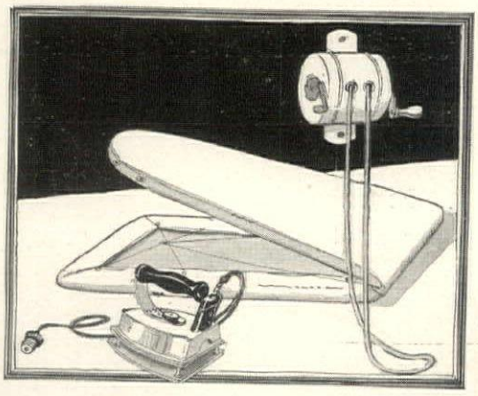




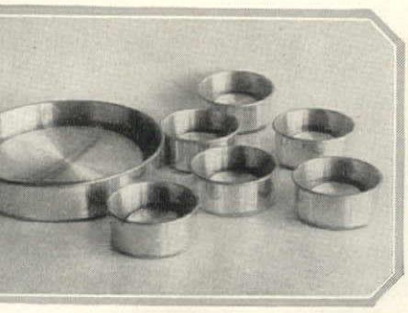
ples or peaches are ickly and evenly peeled th the new fruit parer own above. It is $2.88

Above. Fruit squeezer with three attachments for extracting the juice of lemons, oranges and grapefruit. $13

Above. A decorative hanging cabinet for spice boxes is 20 inches high and 24 inches wide at the bottom. Any color. $25.50

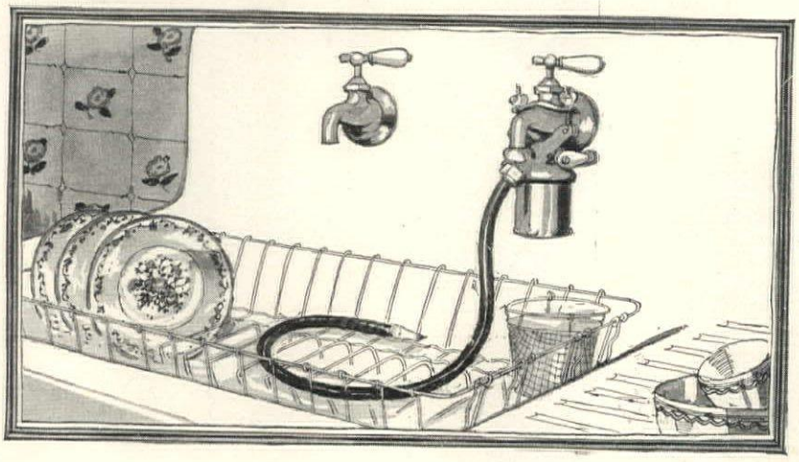


A practical kitchen table is shown above. It is of white enameled steel with a porcelain top. Top measures 25x41 inches. $30.50



Above. Small, folding ironing board with blanket and muslin cover, $5. 44-inches open. Electric iron with detachable handle, $8. White enamel clothesline reel with 36 feet of cord, $1.13

kes baked in the aluminum cake pans above have ed borders and spaces the center for fruit fills. Large size, $1.75 each. set of six individual s may be had for $3.25



Rice cooked in the aluminum rice ball above emerges flaky and dry. $3. Set of six aluminum measuring cups, ranging in size from a quarter to a full cup is $1.50

The dishwasher at the left consists of a faucet attachment which mixes the soap with the water, and a wire dish drainer and hose. $10.20 complete

The GARDENER'S CALENDAR *for* AUGU

This Calendar of the gardener's labors is planned as a reminder for all his tasks in season. It is fitted to the Middle States, but should be available for the whole country if for every one-hundred miles north or south there be made a difference of from five to seven days later or earlier in operations. The dates given are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATU
A SUMMER DAY *The time so tranquil is and still* *That nowhere shall ye find,* *Save on a high and barren hill,* *An air of peeping wind.* *All trees and simples, great and small,* *That balmy leaf do bear,* *Than they were painted on a wall* *No more they move or stir.* ALEXANDER HUME						1 Late cel bage, c and kale m planted. U of water wh them out a them twice roots are es
2 Flowers for the greenhouse this winter should be started now. Seed of stock, mignonette and snapdragon may be sown, or small plants purchased.	3 Strawberry beds set out at this time will bear a full crop next year. Both the perfect and imperfect types should be planted to assure proper fertilization.	4 Special attention should be given to cabbage and other green vegetables on account of the leaf-eating insects. Spray with arsenate of lead.	5 Banking celery with earth is not advised on account of the intense heat. Use paper bleachers or boards for this purpose, blanching only in usable quantities.	6 Neglected ground intended for cultivation next year should be forked or plowed and harrowed to remove the troublesome rye and twitch grass.	7 Vegetables of forcing types may be started for greenhouse cultivation: Tomatoes, cauliflower, lettuce, spinach, parsley, are of easy culture under glass.	8 Bay tre hydran other plant decoration infested wi and other i tobacco spr larly.
9 Cuttings should be taken of bedding plants such as coleus, geraniums and alternantheras. If carried in a cool greenhouse through the winter they will make good stock.	10 Evergreens may be planted at this time. They need a great deal of water, so it is advisable when resetting them to saturate the soil.	11 Melons ripening now should be sprayed with Bordeaux mixture. Place boards under the young melons to assure ripening. Let them leave the vine voluntarily.	12 Bulbs for forcing in the greenhouse should be ordered now. Boxes, pans, soil, and other materials should be made ready, as some bulbs are available now.	13 Failure with lawns is often due to improper preparation of the ground and the meagre seeding. Sow grass thickly as this will help to choke the weed growth.	14 Hedges of all types, evergreens that have been confined to a form and plants that are clipped, should be gone over now as growth is about to cease.	15 Roses encour top dressin meal. T does not in quality of flowers it plant more
16 There is still time to sow cool crops. Several sowings of peas should be made this month, also spinach, cress, radishes, lettuce, turnips, etc.	17 Crops that remain in the ground, such as Swiss chard, parsnips, etc., should have a top dressing of a strong fertilizer to prevent toughness.	18 If you want high-grade dahlia blooms keep the plants properly disbudded. This means a constant and consistent pinching of the young growth.	19 The cane fruits should be looked over at this time. Old shoots on the raspberries and blackberries should be cut out entirely as they do not bear again.	20 If you have a greenhouse make a compost heap of all plants. Use top soil with a sod growth adding manure and bone meal. The material will decompose.	21 This is the time to build cold-frames for the fall and winter. Brick or concrete is preferred but a substantial wooden frame will last some time.	22 After the p spray with mixture to foliage di check. Tre yellows sho down, and
23 This is an excellent time to prune the shade trees. Remove the limbs very close leaving no shoulders and paint the wounds carefully. Make cuts clean.	24 Don't let your flower garden run down. Keep tall flowers staked and cut out all dead stalks. Keep edges trimmed and stir the soil on the surface.	25 It is advisable to have a small step-ladder or a box to stand on in order to get at the top of the poles when picking limas or other types of pole beans.	26 Newly set out plants that are not growing satisfactorily can be stimulated by application of nitrate of soda, sulphate of ammonia or other materials of this kind.	27 Biennials such as foxglove and cup-and-saucer, can be started from seed now. Sow quantities of perennials now, carrying them over the winter in the cold-frame.	28 Gather the onion crop now. When the tops have died down the onions should be pulled and left in the sun to dry; then they can be stored in a dry cool place until used.	29 Befo weat over the replacin glass, doin repair wor tain the l working c
30 Buds will be forming on most of the greenhouse chrysanthemums and strong feedings will be necessary if you want highest quality flowers.	31 It is just as necessary to prune vines as other plants. All unproductive wood should be removed. This will give room for the more vigorous shoots.					

Holler

ALFRED GEIFFERT, JR.

A landscape architect, associated with the New York office of A. F. Brinckerhoff and Ferrucio Vitale

Underwood and Underwood

A. F. BRINCKERHOFF

A New York landscape architect, author and co-author of many large and important developments

Noetzel

HAROLD HILL BLOSSOM

The winner, in 1923, of the Architectural League's Medal of Honor in Landscape Architecture

CHARLES WELLFORD LEAVI

A landscape engineer, and designer of the gardens and grounds of the Schwab estate at Loretto, Pa.

RUGS

FROM THE ORIENT

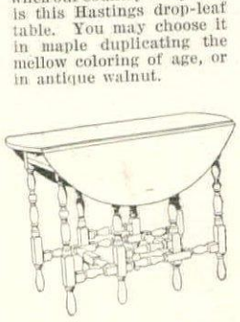
ORIENTAL CHARM – that elusive, mystical quality that permeates all art of the Far East, is deeply woven into the many gorgeous rugs in our extensive collection. Rugs from Persia, Turkey, India, Asia Minor and China manifest this quality in their subtlety of symbolic design, splendor of coloring and fine texture. Owing to their surpassing beauty, they become the keynote around which one may create a distinguished room.

FIFTH FLOOR

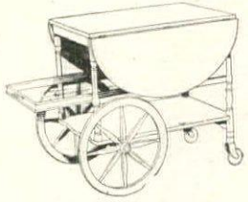
Lord & Taylor

FIFTH AVENUE, NEW YORK

Suggestive of the days when our country was young is this Hastings drop-leaf table. You may choose it in maple duplicating the mellow coloring of age, or in antique walnut.



A fine gate-leg table in beautifully figured mahogany.



Extra usefulness in the drop leaves and removable tray.

Touches of Charm in Your Home - - -

Wherever you place them in your home, Hastings occasional pieces contribute a refreshing individuality that brightens and cheers.

The early American table shown is delightful for the living room, sunroom or porch. Grouped with a few Windsor chairs, it is equally appropriate for the small dining room or breakfast room.

The gate-leg table and the tea wagon with its clever tray are other pieces of rare adaptability and charm. Examining these Hastings creations at your dealer's will prove that livableness and true distinction in furniture are available at very modest cost.

HASTINGS TABLE COMPANY
Hastings Michigan

Factory Sales Office and Display
Grand Rapids, Michigan

HASTINGS Furniture

HASTINGS FURNITURE
The MARK of FRED E. HILL and his associates

MIDSUMMER POM

(Continued from page 46)

It must be allowed that August in the subway prompts the wish that we might "reside" for a spell "in thrilling region of thick ribbèd ice," and panegyrics of "August's panting heart of fire" are not likely to appeal to those who must spend their summers in most great cities, though if only men were to dress as sensibly as women, who contrive to look as cool and fresh as flowers (however they feel) the dog-days would lose half their terrors. Even so, the more philosophical may win some measure of contentment if they stop to recall the horror of New York in winter. Better surely a hot day in August, than a February day of blizzard and snow flying at seventy miles an hour. However, the case of the collar-wilted citizen may be admitted to sympathy, but to those who, seated on some pleasant country verandah, can do nothing but fan themselves and curse the mosquitoes, I would recall Mahomet's stern advice to his soldiers on a hot day. Weary with marching under the fierce African sun, they too had grumbled at the heat. "Hot!" retorted the Prophet, "Hot it is, but march on —for Hell will be hotter!"

Think of all the things you can do in August that you couldn't do in February, and what a different earth it is now from what it was then. After all, it's a pleasant thing,—hot though it be, and in spite of mosquitoes, which are largely imaginary insects,—to sit there on the verandah fronting the mountains or the sea, and drinking iced drinks. It is better than getting up at six to build a new fire in the furnace. You couldn't sit like this, having a beautiful lazy time, in February. You can be thoroughly, luxuriously, and healthily lazy in the summer, as you cannot be in winter. But for those who do not want to be lazy, those whom heat invigorates and makes want to be up and out, summer holds further advantage. You could not sail a boat in February, or swim, or lie on your back, with the sea glimmering and rippling for miles about you. You couldn't climb mountains, or wander all day in woods, or bathe in mountain streams, or eat your lunch and smoke your pipe to their never-ending, never-tiring murmur. You couldn't start out at sunrise, knapsack on shoulder, and walk all day, through a world all gold and green and blue, the kiss of sun and breeze on your cheek, your eyes filled with ever varied beautiful things at every turn of the way, and your thoughts scarcely thoughts but pleasant musing sensations, the mind contentedly chewing the cud, to the rhythm of your quiet stride, your whole being becoming saturated with sunshine and leafy perfumes and the illimitable peace of the sky,—to return with the evening star, hungry as a wolf and sleepy as a child, ready to fall into your bed in the honest luxury of unfathomable slumber, filled unconsciously with the rustle of leaves and all the sweet sights and sounds and smells of the sun-steeped day.

Heat and mosquitoes! Think of how different a world it is from what it was in February—world fille Water-Lilies, honeysuckles and warm meadows knee-deep i grass and flowering rushes, with Mullein, and purple wit weed and Aster; a world of trees, comfortable Maples, ca Oaks, burly Chestnuts, fairy streaming Willows, whole cou rustling foliage, infinite bosk bower-building vines, volup cool with shadowy flickering broad leaves, swinging by swi ing tendrils and hung with clusters of ripening Grapes and scarlet and amber, brakes of and Blackberry alive with tin ing wings; a world incredib peted and cushioned with su mosses, a Walter Raleigh's every step; a world filled wit ringing, whistling, chirping a ing on every hand; a worl with the murmur of bees, drone of gilded atoms of speed, with the flitting of bu blue and gold, the darting of flies in coats of mail, with luminous horn, the hot ind valiant hornets, handsome an busy with their strange papie houses, with their galleried d ies, tier on tier; a world i there are squirrels once more, and scolding up and dow tree to tree, and chipmunks chanical toys, jerking in an old walls, appearing and disa in the raising of an eye-lid.

Surely to sit on the chafing at the heat and cu mosquitoes is to be a gracel ence, unworthy of so superb a tion. If we are too lazy to can take the lazy man's way something, even superficially great pageant in our automo even seated at home, we hav cast our eyes into the garden our mercies, and praise t Look at it now, and recall was like in February, an em ing dump-heap of snow and rusty boughs bare as old iron en too to a mere patch o earth, and open to the pub Now it has turned into a priv Paradise, spacious and seclu green secresies of shade, can lie with a book, or mak our sweetheart, or dream th quiet afternoon, none daring us afraid. The trees have s us their breezy pavilions, a the eye found nothing b cages of boughs, and rags a of autumn, are fragran mounds of blossom, bright of climbing stars, Larkspu hocks, Stocks, Wall-flower ing spires and splashes of perfume, and the eternal the Rose—all the high mi pomps. At least it is a hi fortable and attractive wo pared with what it will soon. It is well to think of alas! this wonderful Augu thirty-one days. Better to while it lasts than to grun the heat, and curse the mos

ANGORA VELVETS

ith the beauty of silk and the durability of mohair

The appreciative Arabs called it "muhayyar"—this silky hair of the Angora goat. This soft sounding name, meaning "choice and select," aptly describes the lovely, durable Angora velvets of today.

HE ingenuity of two widely separated peoples of the Old World gives us, four red years later, these gorgeous long- fabrics called Angora velvets.

r hundreds of years the picturesque, nturous Turks counted great herds of ra goats as part of their caravans. they prized for their long silky hair they wove into a durable cloth called ir.

the other side of the world, the cele- d weavers of 16th Century Flanders, g the need of a pile fabric of greater gth than their lovely but perishable lvets, substituted this animal fibre for nd produced the first mohair velvets.

But ingenious as those Flemish weavers were, their new velvets were stiff in texture and suitable only for the more formal and geometric designs that have since characterized mohair velvets.

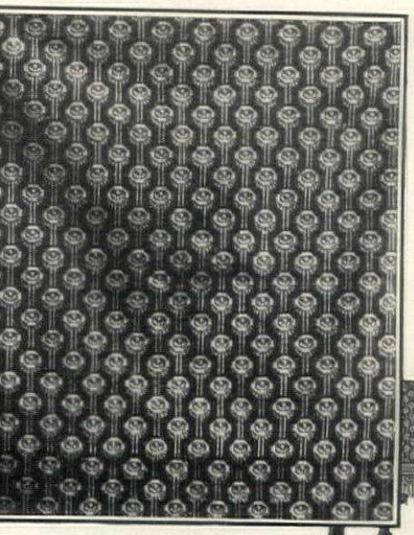
Today, however, modern craftsmen have achieved in the version of mohair velvet called Angora, the very effect those master Flemish weavers vainly sought for.

The durable Angora velvets of today are just as flexible in design and color as any of their silken kin.

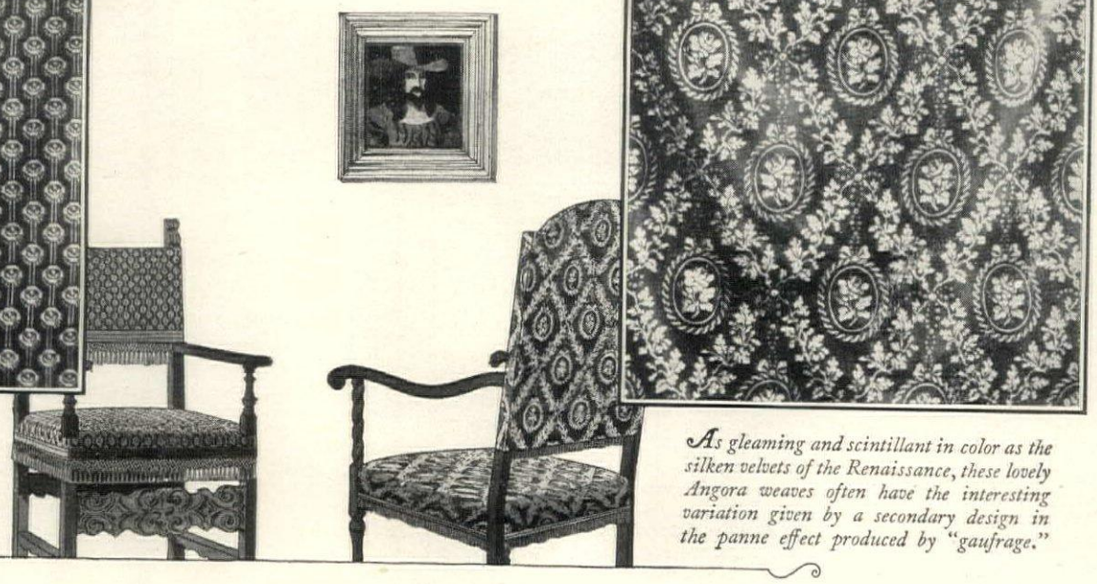
The two velvets shown here illustrate this new scope in design. The pattern on the right calls to mind a lovely 18th Century brocade. Small floral miniatures crowned by tiny bowknots hang suspended in lozenges of delicate leafage, a design typical of silk fabrics. The fabric on the left, while patterned with a more traditional mohair design, shows how gracefully the silken texture of Angora velvets responds to the "gaufrage" process, a pressing down of certain portions of the pile.

These lovely durable velvets and other Schumacher fabrics may be seen by arrangement with your own upholsterer or decorator, who will also gladly arrange the purchase for you.

F. Schumacher & Co., Importers, Manufacturers, Distributors to the trade only, of Decorative Drapery and Upholstery Fabrics. 60 West 40th Street, New York City. Offices in Boston, Chicago and Philadelphia.

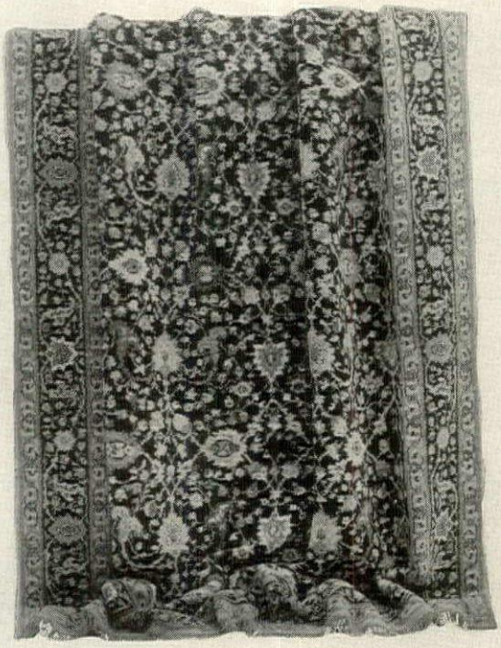


ly varied have been the designs woven k velvets through the centuries—now y texture of Angora velvets means that g-wearing mohair can be patterned beautifully, just as diversely.



As gleaming and scintillant in color as the silken velvets of the Renaissance, these lovely Angora weaves often have the interesting variation given by a secondary design in the panne effect produced by "gaufrage."

F-SCHUMACHER & COMPANY



LEILA REPRODUCTION

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IF you had before you a map of the Orient you would find, scattered over the face of Persia, the names Kirman, Kashan, Feraghan, Ispahan and many others made familiar to you by the Oriental rugs which come to our markets from these districts taking the name of the province or town in which they are woven. It is from these Persian rugs that Bengal-Oriental are reproduced —true in spirit—in touch and tread—to the originals.

The best weaves of Persian rugs and Period furniture belong one with the other, and obviously, reproductions of Period furniture go hand in hand with Bengal-Oriental rug reproductions.

Woven all in one piece from imported Oriental wool, made to special order any length required for the modern living room.

Price for 9x12 size does not exceed $175 in any part of the United States.

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A Consulting Decorative Service Without Charge. Mail the coupon with full details and we will send you color plates and information as to sizes and prices.

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Also send me *"Backgrounds of Oriental Beauty"* by Alice Van Leer Carrick.

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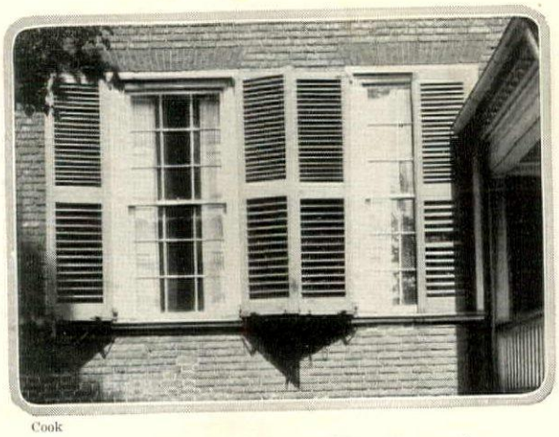
THE HOUSE OF SHOEMAKER, 119 W. 40th St., New York



Cook

Double-hung sash are generally able to give a greater feeling of dignity to the design of the house than other types

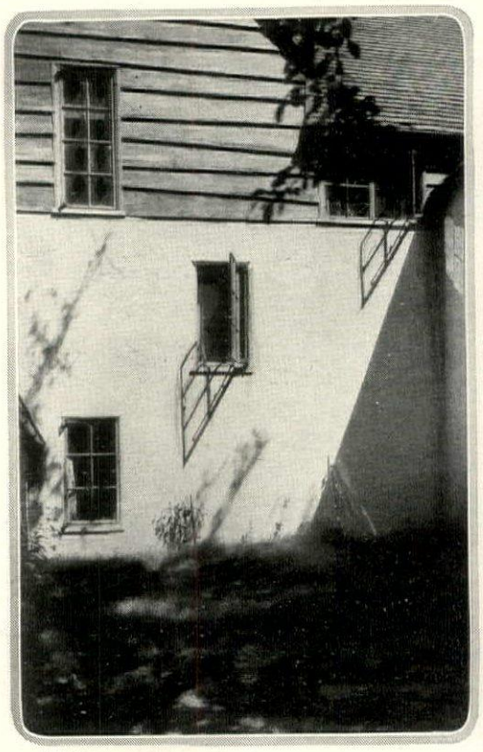
BOTH SIDES OF THE WINI

(*Continued from page* 43)

transformation which the substitution of muntined sash will make in a house of forty years ago when the ultimate in elegance was the largest expanse possible. Only in special instances, in houses, does the use of large sheets of glass seem the better method. In large buildings it is another matter. From the exterior the muntined sash gives scale and interest to what had previously been gaping holes in the wall. From the inside, looking out, even though the view be a fine one, the cross bars or muntins do not wreck the picture. We are generally unconscious of the interposition of the sash and the view beyond.

With the metal casement, the glass sizes incline toward the traditional small panes of leaded glass, though today the lead strips are reinforced with steel, so larger sheets ticable. Another variety sash—the steel muntined would stand any size of gla so here glass size is a matt of appearance and traditio

We live in fortunate windows are not taxed, comes are. Think of havi tax on the windows in one a lump sum up to seven, an per window for any exces permitted maximum. Th happy idea of the lawmak England when money wa and there seemed to be no taxable. The English wi continued on until the 18 it was finally abolished af been hated and reviled for hundred and fifty years.



Gillies

Casements, on the other hand, are apt to be more suited to the picturesque informal styles. Wesley Bessell, architect

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WHY NOT? When Fenestra Basement Windows cost no more than wood windows and admit 40% to 80% more light?

Surely you'll want a basement as bright and cheerful as the rooms upstairs—a usable basement—a workroom and playroom combined.

Besides giving you more light and air, Fenestra windows resist fire and obstruct intruders. They cannot warp, swell nor stick. They last as long as the building.

Costs have been reduced. You would naturally expect such windows to cost much more than wood, but volume production in the big Fenestra plants has made possible a reduction in price.

Fenestra steel sash specialists have designed and built hundreds of thousands of beautiful and practical windows for every type of building.

Before you build, see your nearby lumber or building supply dealer.

Fenestra Casement Windows

You can have beautiful English-type steel casements in the upstairs rooms of your home at no greater cost than ordinary wood windows. Beside having a brighter, more cozy and attractive effect you'll have windows that never warp nor stick and windows that can all be easily washed from the inside.

Fenestra Utility Windows

You've always wanted more light when you're working on your car—and better ventilation to carry off the dangerous gases. These are advantages you'll have when you use Fenestra Utility Windows in your garage.

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for homes and apartments
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KENSINGTON FURNITURE

AWARDED GOLD MEDAL OF HONOR IN NATIVE INDVSTRIAL ART
39TH ANNVAL EXHIBITION ARCHITECTVRAL LEAGVE OF NEW YORK

EARLY 17TH CENTURY ENGLISH OAK COURT-CUPBOARD, *by Kensington*

THE fascination of old furniture lies no doubt to some degree in the mellowness that time brings, and in the sense it imparts of service faithfully performed; still more in charm of design, inherent in the well defined style that has developed naturally as the every-day expression of the life of a people; but above all in the fact that it possesses *character*—the quality that can be expressed only by craftsmanship.

It is the distinction of Kensington Furniture that it retains the charm and the decorative quality of the antique because it also is the product of craftsmanship, and because it faithfully interprets and gives life to the spirit of old work in design as well as in execution.

Kensington Furniture is made in all the decorative styles appropriate for American homes.

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Write for illustrated booklet H and pamphlet, "How Kensington Furniture May Be Purchased"

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MANUFACTURERS AND IMPORTERS
DECORATIVE FURNITURE ~ ART OBJECTS
NEW YORK

SHOWROOMS, 41 WEST 45th STREET, 6th FLOOR

Side-hinged screens with narrow, durable metal frames are used on these outswinging casements. Howard & Frenaye, architects

THE MATTER OF SCREE

(*Continued from page 64*)

There are two distinct grades of metal frames; galvanized steel, and copper or bronze. Copper frames are the more expensive, but they will last indefinitely without rust or corrosion. The galvanized steel frames are fully as rigid, come enameled in any color desired, and are quite satisfactory for all purposes.

Screens are divided into two classes —frame screens and roll screens. These may be the full height of the window or only part height. The full height screens are top hung, side hung or of the vertical or horizontal sliding variety. Part height screens may be sliding, stationary, top hung or side hinged. The roll screen may be full size or part size.

Screening the common, double-hung sash window is the most frequent problem. And the single sash screen to protect one half of the window at a time is the type usually selected. This screen usually slides inside the frame just behind the shutter-stop. It should be made to serve either the top or bottom sash, so that ventilation may be secured through either half of the window. At least one screen now on the market has a special spring attached to the side of the frame which holds it automatically in place at the top of the window, after simply pushing it up.

The principal draw-back of the half size screen is that only one part of the window may be open at a time, and in a room which has only one opening this is a serious handicap to ventilation. When using the half screen for the upper part of the window, there is a passage for insects between its frame and the glass, if the sash is only partly open. This can only be closed by dropping the top sash completely down, and often that isn't desired. To obviate this there are twin sliding screens enabling one to open both th and lower sash at the same t

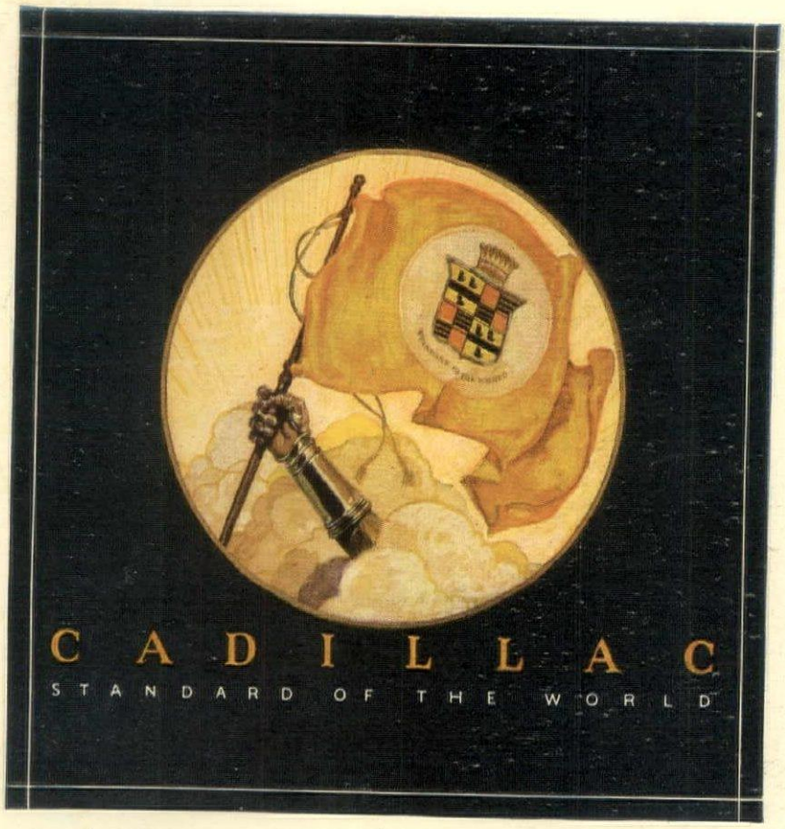
If single sash screens are to for most of the house, it is sirable to have full length the rooms constantly in use are best hung from the top will swing out and permit wa windows conveniently.

The steel or bronze fram ticularly desirable for all which have to slide, as it swell and stick in wet weat warp and leave crevices for sects to promenade through.

Casement windows are regarded as presenting the problem in screening, but at time, there is a wider variety to choose from. For the which opens inward, one ma between the one-piece scree at the top or the side, and section doors which meet in dle and swing out like sh those which slide by each oth opening, on small metal runn casement windows opening the screens are placed on th hinged at the sides, or made either horizontally or vertica

An increasingly popular for the casement window is screen, operating on the same as the ordinary window sha type of screen is concealed i either at the top or bottom of dow, and remains there th the year. Its cost is two times greater than the more flat screens, but it is the ideal ment for certain types of where a hinged screen, ope ward, would interfere with ery. It also solves the puzzle to do about a window with The screen roll can be hung within the frame of the

(*Continued on page 9*



N ACCOUNTING AND A PLEDGE

llac keeps young and vigorous and because it is continuously refreshed inspired by the sympathetic interest million friends.

ews its youth every day upon the rous approval of tens of thousands vners and their families who take me and the trouble to express their dship for Cadillac—and their in its unremitting zeal to serve.

llac is gloriously young after ty-three years of adherence to ne ambition of remaining the lard of the World—after ten of dedication to the task of out- ing the world in the further- of the eight-cylinder principle.

plendidly young in spite of the hat its traditions are old—or because of the fact that those ions are so fine and high that make every working day a new f increasing zest and inspiration.

It has been said, and it is true, that even if the impossible should happen and the directing heads of Cadillac should wish to deviate by a hair's breadth from the ideals which have dominated Cadillac all these years—they would not be permitted to do so.

They would not be permitted to do so because the great group of master workmen who are steeped in the spirit of surpassing excellence would go on serenely as before—or throw down their tools if asked to do anything less than the Cadillac best.

Cadillac is subjected to a pressure from within and from without to excel itself—the pressure of public expectation and the pressure of honest craftsmanship which can work no way other than the Cadillac way.

What is said here is in the nature of an accounting from Cadillac—a re-dedication to high service published at this moment because of the advent of a new, young, and powerful, executive leadership.

The pledge is from him—and through him, from the solid phalanx of Cadillac executives and workmen who consider themselves servants of the most loyal public any industrial institution has ever enjoyed.

Great things are always under way for Cadillac and Cadillac owners—not merely a maintenance of the high endeavors of the past but a constant striving after things never yet attained.

To every Cadillac owner of record the executive head of Cadillac will endeavor at the earliest moment to send a personal pledge of the future.

Meanwhile, because you and a million others count upon it—be certain that Cadillac will never fail to realize your highest hopes.

Division of General Motors Corporation

ATWATER KENT RADIO

THE RECEIVING SET ILLUSTRATED IS THE MODEL 20 COMPACT

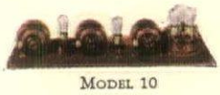
FOR THOSE who prefer to think of a receiving set and a radio speaker as an incident in the furnishing of a room, this new Compact Model 20 is designed. It is no larger than a row of a dozen books.

You can put it on a small table, on a low book-case, in a boudoir—almost anywhere. It blends with the decorations of your room, an appropriate companion for a bowl of flowers, a pair of candlesticks, a group of ornaments.

It has all the power and dependability of our regular Model 20. It is, in fact, the same set, differing only in the size of the case and the internal arrangements parts. In your home it occupies onl half as much room.

For reasons of space or taste, many prefer a baby grand piano. This new s Atwater Kent Model will appeal same people for the same reason.

Radio becomes decorative



MODEL 10

MODEL 24

MODEL 20

ATWATER KENT MANUFACTURING CO
PHILADELPHIA · PENNSYLVANIA
A. Atwater Kent, President

. . .

Hear the Atwater Kent Radio Artists every evening at 9 o'clock (eastern daylight time) throug —WEAF *New York;* WJAR *Providence;* WEE WFI *Philadelphia;* WCAE *Pittsburgh;* WGR WEAR *Cleveland;* WWJ *Detroit;* WCCO *Min St. Paul;* WOC *Davenport;* WSAI *Cincinnati.*

SANITAS
STANDARD
STP
TEXTILE PRODUCTS CO
BRAND
REG. U.S. PAT. OFFICE

Look for this trademark on the back of the goods

Style illustrated is reproduction of No. 4262 (⅓ actual size)

SANITAS
MODERN WALL COVERING

yles for every om in the house

in and Pastel Flat Finish
hat can be hung as they come, or ed, frescoed, or Tiffany blended.

Decorative Flat Finish
tional and foliage patterns, neu- ned designs of vague formations, mottled effects, and reproduc- f tapestry, grass-cloth, leather and fabrics.

ade and Metallic Finishes
ossed effects for paneled treat- and trimmings.

Enamel Finish
olors, tile effects and decorative s, for kitchens, bathrooms, etc.

With a "backbone" in place of a "wishbone"

WHEN you've done with all the fuss and turmoil of redecorating, and the rooms look so fresh and clean and new—then begins the wishing. How long will their beauty stay whole? How long before cracks appear and places peel off? How long till you'll be afraid to move the pictures lest you show the few square spots that haven't faded? Yes—how long? That's when the wishing hurts. And that's why Sanitas Modern Wall Covering is made on cloth—given a backbone that takes away all need of doubts and wonderings.

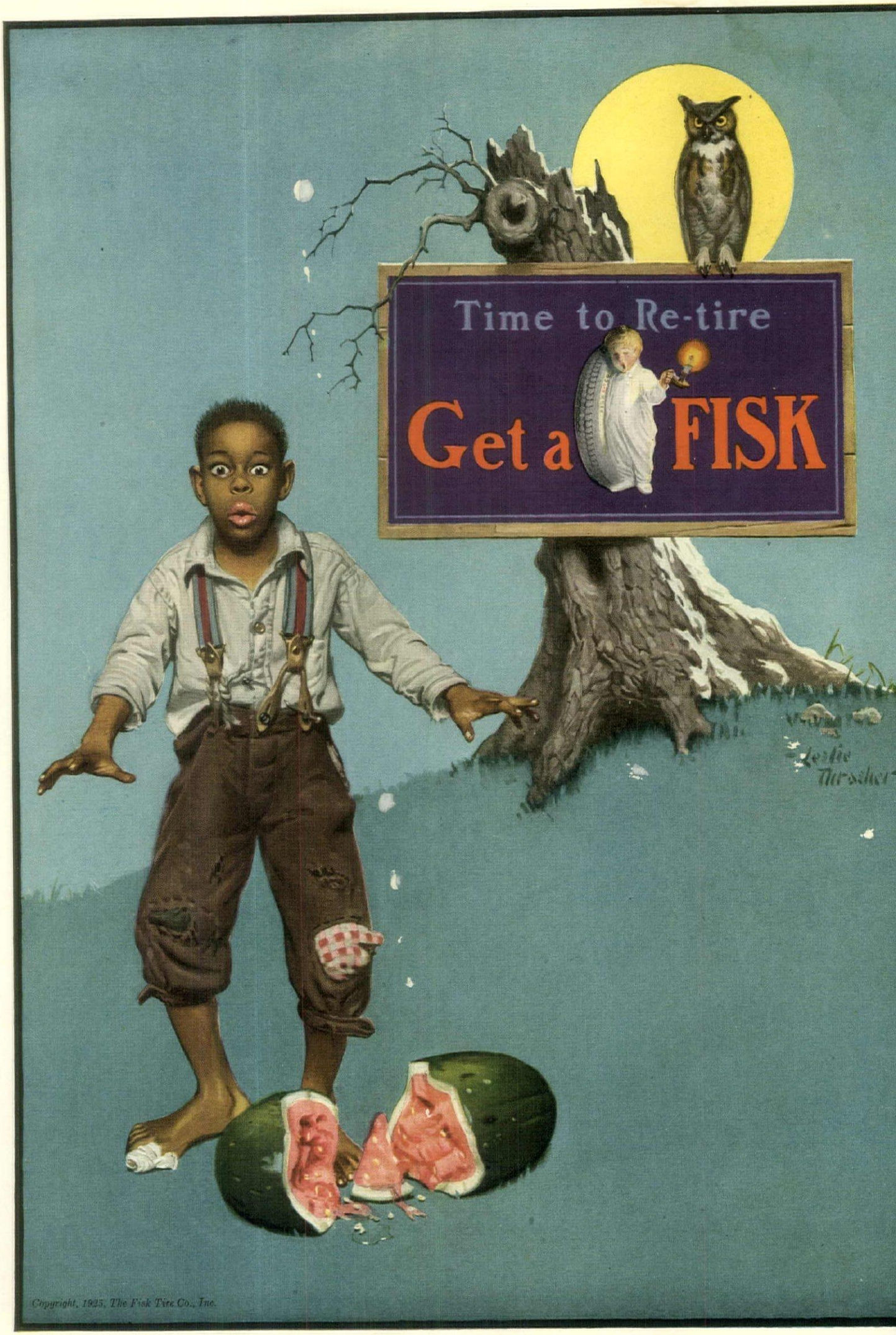
You are so *sure,* with Sanitas, that no new cracks in the plaster will show through; that there will be no peeling, or blistering, or cracking of the lovely oil-color surface; that no amount of sunlight will fade the colors, and that dust and finger-marks and accidental stains can be wiped off easily with a damp cloth.

You can find in Sanitas styles for every room in the house, and hang it on any flat surface. In fact, on new walls, you can even hang it as soon as the plaster is dry. On old walls you just have the cracks filled first, and then the cloth back of the Sanitas gives the plaster a firm support, to keep other cracks from starting. Use it over plasterboards too.

Ask your decorator to show you the new Sanitas styles.
Write to us for samples and descriptive booklet.

THE STANDARD TEXTILE PRODUCTS CO.
320 Broadway, Dept. 21, New York

When you visit Atlantic City, see our Sanitas Exhibit at 1410 Boardwalk, Central Pier



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SUPREME — AIR, LAND AND WATER

Packard motors drove the giant Navy dirigible Shenandoah on its record-breaking flight of 8100 miles.

Packard motors enabled the sea-plane PN-9 to nearly double the previous world's record for non-stop sea-plane flight by traveling 2230 miles in 28 hours, 35 minutes, 27 seconds—with a starting load of nearly ten tons.

A standard Packard marine motor drove Rainbow III 1064 miles in 24 hours, a distance greater by 276 miles than any boat of any kind or size ever covered in one day.

Packard's quarter century of experience in the design and manufacture of motors is available to all in the Packard Six and the Packard Eight.

Ask The Man Who Owns One

DANERSK FURNITURE as related to the three great periods of American design

R. T. H. Halsey, in his introduction to the handbook describing the new American Wing of the Metropolitan Museum, gives the clearest summary of the history of the utilitarian arts of the American Colonies and the Early Republic that has yet been presented. He divides it into three periods:

First Period: 1630 to 1725
Second Period: 1725 to 1790
Third Period: 1790 to 1825

In making Danersk Furniture in our New England factories we have specialized for the last ten years in furniture of the First and Third Periods. In the Second Period we have done little or nothing because of its extreme elaboration and Rococo influence of ornamentation which, if well done, is the most expensive and formal ever devised. We have turned rather to the friendly forms of the First Period: tavern tables of oak, maple, and pine; quaint cupboards; dignified walnut highboys with herringbone inlays and beautiful burled woods; comfortable Queen Anne chairs and dining groups developed from the choicest examples of this era.

From the Third Period we have selected those delightful forms of 18th Century design, with their classic refinement of detail comprised by the American adaptations of Heppelwhite and Chippendale chairs; Pembroke tables by Duncan Phyfe and Sheraton; Cuban mahogany inlaid with satinwood, holly, and ebony; dining room, bed room, and luxurious upholstered pieces for the living room.

These things need no special setting and are so direct and genuine that they bring the truth of traditions and hidden values of construction to all homes where good taste, quaint interest, and comfortable dignity are valued.

Our Chicago and New York salesrooms are the only places where Danersk Furniture can be seen. Your own dealer or decorator is familiar with our productions —all good decorators are. They will welcome your personal investigation of our furniture, and it is most important that you should see this furniture before purchasing for your home, if you value correct traditions in design.

DANBURY CUPBOARD OF WHITE WALNUT, FINISHED IN MELLOW AMBER TONES

AMERICAN MAPLE CHAIR OF CHIPPENDALE INFLUENCE, AND BUTTERFLY TABLE

DUNCAN PHYFE LIBRARY OR BREAKFAST ROOM TABLE OF CUBAN MAHOGANY

ERSKINE-DANFORTH CORPORATION
383 Madison Avenue, New York City, *Opposite the Ritz-Carlton Hotel*
Factories in New England
Wholesale and Retail

Chicago Salesrooms
315 Michigan Avenue, North

Distributor for Southern California
2869 West 7th Street, Los Angeles

THE MATTER OF SCR

(*Continued from page* 88)

either inside or outside of the glass. It is also arranged to fit just above or below each sash of a double hung window, and attached, so that it automatically unrolls as the window is opened. Roll screens must of course be made of the most flexible metal, and of high quality, to stand this rolling process. Copper, bronze and monel metal are adaptable, and the metal must be firm enough to hold its shape. The edges run in metal guides at the side, and it is wise to have a clinched arrangement in there to hold against the wind and accidental bumps. The advantage of this type of screen is that when not in use it is rolled up inside the frame and does not suffer through removal, storage and replacement.

SCREENS FOR CASEMENTS

A distinctly different problem is presented by the casement sash which opens on a pivot, and thus protrudes, partly inside and partly outside of the frame. No flat screen, either inside or outside, will meet this situation. If such a window is narrow, and not too long, it can be screened with a half cylinder arrangement, supported at top and bottom with solid, semi-circular pieces.

But the best of screens throughout the upper portion of the house are of little account if no provision is made to keep the enemy from coming in through the basement. The attitude is too often taken that little-used rooms can be disregarded in the provisions for screens. Yet the basement has to be aired out occasionally, and if the washing is done there, these windows will be opened at least once a week. Certainly that is often enough to keep a house supplied with flies, especially if it is fenced in tightly at all the other openings. Basement screens, being nearer the ground, are subject to more accidents and need to be of the heaviest weight. In addition, they may well have the extra protection of metal grill work or a coarse panel wire. This protects the window as well as the screen, and affords in some cases no little economy in the glass bill.

There are at least five standard grades of insect screen cloth: painted iron, galvanized and enameled iron, copper, monel metal and bronze. The painted iron wire is no longer recommended for screens which are to be exposed to the weather. It rusts out too quickly. Galvanized and enameled wire are taking its place as the least expensive of the practical house screens. There are also some other iron wires covered with metallic preparations to increase the life of the screen. These materials make an effective screen so long as the iron is kept covered, but every crack in the paint starts a rust spot which soon has eaten through the tiny wires. And a screen, like a chain, is no stronger than its weakest link. One broken strand opens a passage big enough for a fly, and makes a farce of all the other screening on the house.

Rust is the one great destroyer of screens. It puts out of use approximately 100,000,000 squa
year, or one-fifth of the
factured. This keeps
busy, but is hard on th
pocket-book, and is a n
of the iron resources of
Repainting iron screen
prolongs their usefulne
fills up the meshes and in
ventilation and vision.
bronze are very much m
These metals do not ru
weather conditions, and
accident, will last as
house. The original cos
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saving in the end.

Until quite recently
screen has not been sti
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rigid as any. What pr
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When confronted wit
of what size mesh to ge
householder has no
guide him. Insect screen
in three sizes, of 14,
strands to the inch. Th
wire is recommended b
health authorities becau
nearly all the disease b
including mosquitoes, a
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regions where gnats are
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quired.

SCREEN HARDW

Screen hardware is
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they are generally hun
side where the rain a
contrasting temperature
corrode them away.
skimping is done on sc
just because it is on t
everyone's memory of
ping in the wind, w
rusted off, will testify.

Copper and bronze
non-rusting hardware,
material is specified f
hinges and door catch
the truest economy in t

Screen doors, to be e
also have a special clos
coil spring that will
is better than nothing,
quick-acting door ch
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There is much adv
gained by having all
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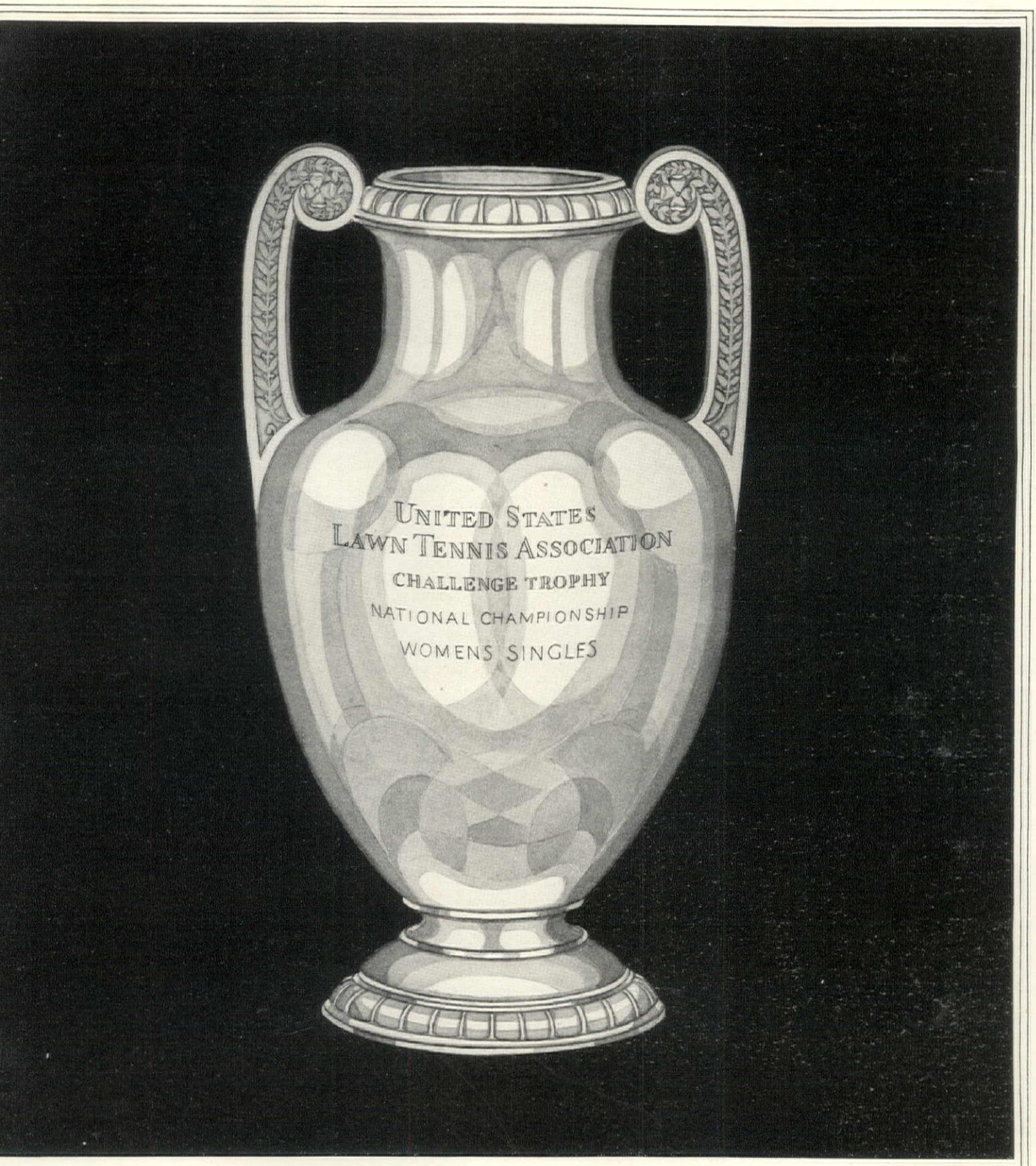


BLACK * STARR & FROST

The victor in the ancient games at Athens was given an amphora. This idea was revived for the Challenge Trophy of the Women's National Singles Championship, for which we have executed this exact replica of a Greek amphora.

JEWELERS FOR 115 YEARS

FIFTH AVENUE · CORNER 48TH STREET · NEW YORK

The cure for unsightly Floors

A neglected floor spoils the whole room no matter how fine the furnishings. But a well-kept floor instantly transforms even the plainest room into a cheerful abode. And yet there is nothing about the home that has been so consistently neglected as the floors. The reason has been the *hard hand-labor* necessary to keep them clean and polished.

No more reason for dingy-looking floors

Now-a-days there is an *easy way* to renovate poorly finished floors and to restore lifeless, dingy, scarred and spotted floors so that they are *just like new* once more. And by this same easy method, the most inexperienced person can keep *all kinds of floors* spic and span and new-looking all the time.

The easy, quick way to take care of floors

You who realize the comfort value of well-kept floors—will be delighted to know about the *electric floor machine* which not only scrubs and polishes floors but will actually *refinish* them as well. It is known as the

Ponsell
INTERNATIONAL

Electric Floor Machine

POLISHES SCRUBS REFINISHES

This handy little machine has made it an absolute waste of time, money and strength to scrub or polish or refinish floors by hand.

The "Ponsell" works wonders on wood floors, parquet, linoleum, tile, marble, mosaic, rubber, cork, terrazzo, cement, or any other kind of floor. With a "Ponsell" any man or woman can quickly

POLISH waxed floors **PERFECTLY**
(no exertion whatever)

REFINISH wood floors **LIKE NEW**
(no skill needed)

SCRUB all floors **SPOTLESS**
(no effort—no muss)

There is no stooping, no kneeling, no muss, no getting tired, wet or dirty—and, besides, the "Ponsell" does the work—**five times faster—for two-thirds less—and infinitely better than by hand.**

The "Ponsell" is moderately priced—is operated by electricity—consumes less than three cents worth of electric current per hour—and requires no *skill* or *strength* on the part of the operator.

MAIL THE COUPON

Upon receipt of the coupon below we will promptly mail you full information, prices, and list of sales offices where you can secure a *Free Demonstration* in your own home —or a 10 Day *Free Trial* if you are located too far from any branch office.

Used and endorsed by thousands of delighted women—

Ponsell Floor Machine Co., 220-230 W. 19th St. New York City.

Please mail free illustrated folder and full information and prices about your electric machine for scrubbing, refinishing and polishing floors of all kinds.

H&G 8-25

Name _____

Address _____

Ponsell Floor Machine Co.
General Offices
220-230 West 19th St.
New York City

Branch offices in Principal Cities

THE KING OF WOO

(*Continued from page 70*)

day we consume large quantities of cork for purposes of buoyancy and insulation, for stoppers, and as an ingredient of linoleum and other floor coverings and plastics.

Oak is a wood of a myriad uses. "There is no purpose in the arts to which the wood of most of the species of oak is not applicable," says Loudon, the noted English authority. "The history of the use of the British oak in building, carpentry, and for naval purposes, is necessarily coeval with that of the British islands. The timber found in the oldest buildings is uniformly of oak." Massive tables, paneled wainscots, ceilings, church stalls, screens, seats and pulpits, plain or richly carved, exist in a perfect state of preservation after hundreds of years. Oak is a wood of ancient and honorable associations.

The early Britons appear first to have used oak for shipbuilding, the Romans having employed the alder, the cypress, and the pine for that purpose. Before the invasion of Britain by Julius Caesar (52 B.C.), there is record of a naval engagement between the Romans and the Veneti, aided by the Britons, or Cymry, in which the oaken planked vessels of the latter are said to have been so staunchly constructed that the beaks of the Roman ships could make little impression upon them. The use of oak for naval construction was responsible for laws protecting the standing timber and encouraging its planting from the time of Henry VIII. Britannia's supremacy of the seas had its foundation on oak. The beginnings of forestry legislation in the United States and the establishment of forest reservations both through purchase and through setting aside of public lands were due to the needs of the American Navy for a supply of live oak and cedar. "It was on account of the abundance of this tree (live oak) in Florida, fit for building ships of war, that the Americans showed the great anxiety, which was at last gratified in 1819, to add Florida to their extensive territories." —Stuart (1833).

BUILDING SUBSTITUTES

Oak no longer occupies its former high place in the framework of buildings, where it has been superseded by pine and fir and other coniferous timbers, and in shipbuilding, where it has been so largely replaced by steel. Its importance in other phases of industry, however, has increased. No other wood has proved so satisfactory for railway cross-ties, and untold millions of these have been used and oak ties are still the standard of comparison. No wood in the world can compare with white oak for tight cooperage, or wooden containers of liquids. Piling, mine timbers, fence posts, poles, and fuelwood made enormous demands upon our oak supply. These are in addition to sawed lumber, of which about two and a half billion board feet are produced annually in the United States. This is considerably more than a third of all of the hardwood lumber produced in this country.

Oak lumber is used by shops and factories in every State in and 48 of the 53 recogni using industries employ it or less amount. The bulk o ber, however, goes to onl of these industries, namely, facture of furniture, mill road cars, vehicles, agricult ments, office fixtures, boxes, frigerators, musical instrun ing machines, and picture Furniture and fixtures consu of the supply, millwork a f car construction and vehicl fourth. By "millwork" flooring, doors, interior similar items for the bui may be used for any pur the lowliest to the highes material of general utility same time ranks with mah walnut as a cabinet wood.

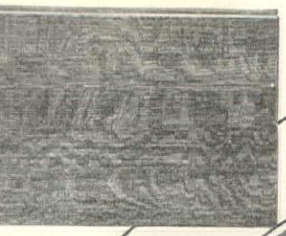
OAK FOR FURNITU

Oak is splendidly adap manufacture of furniture. necessary hardness and s withstand severe wear, a same time, because of the grit and flintiness, it is read with tools. Though typical wood, it lends itself reac most delicate carving and t natural color is agreeable ing, while a variety of possible with stains and bl figure, it ranges from ver decidedly showy, dependi upon how the lumber is cut

The employment of oak is of modern origin. Now floors in living rooms, c public buildings are the rul is the standard timber. Var and thickness of the lumber factured to meet various purses. The difficulties fir tered in the use of oak overcome by modern metho ing, milling, and laying. want the best should insis lumber be accurately mar thoroughly and carefully protected from moisture and in transit, selected for grain, and properly laid an Those who are planning to do well to remember that t the criterion of the qualit struction of a house. A floor is a good investmen financial standpoint if one sell, as a source of perma faction if one does not.

Not all oak lumber is ali are many different kinds of but they are divisible into groups, the white oaks and While it is possible for spe either group to cross, the hybrids between the grou the white oaks ripen their one year while the red oa two. The botanical differe two groups are reflected in and the trade recognizes the The white oaks have greate ity, are less porous and fine have better color, and for exacting uses are to be prefe many purposes, however, th

(*Continued on page



hless beauty
nction of
d Oak

"Plain" is a technical term to distinguish this handsome grain from "quartered."

ring strip has
idual charm;
e entire floor,
blends into a
harmonious
bright with
lights and

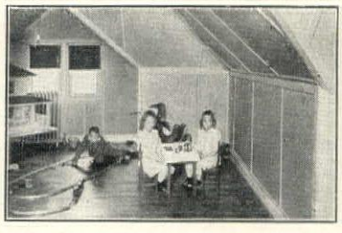
OAK FLOOR *like this is not expensive*

WHETHER you remodel your present home or build a new one, you can have a beautiful sanitary floor of Oak, at a cost that will meet the most modest purse. By selecting various grades and finishes for different rooms, you can enjoy variety in harmonizing decorative effects and still in the family budget.

provides in Oak a permanent floor-ial with a characteristic grain that successfully imitated. The natural the grain may be emphasized by mod-finishes adapted to room decoration. ors always convey a sense of dignity, s, and good taste. Rugs, placed to e beauty of Oak in open spaces, re-unbroken expanse. They are easily when necessary, and a few moments your floors to their usual immaculate condition. Oak floors save housework.

When You Remodel

Lay Oak flooring over old worn ordinary floors. No woodwork need be torn up; the old floor becomes a useful sub-floor. The cost for each room will be considerably less than that of many articles of furniture, and you will have a permanent beautiful floor that will never need replacement.



Adding a Room

Turn the attic into a clean attractive place for the children to play, where they can romp to their hearts' content, by laying Oak flooring over the rough boards.

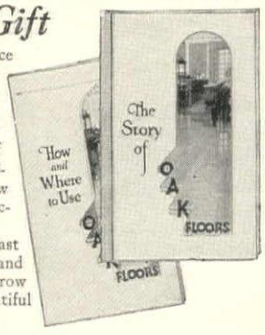
Increased Value

Your home will be worth more, whether for rental or sale. An Oak floor is recognized as a standard appointment in a modern home.

Nature's Gift

Nothing takes the place of the natural qualities of "wood." It is not cold to the touch, nor artificial. It rather imparts the warmth of Nature, and as the product of centuries of slow growth, Oak has character and sturdiness.

An Oak floor will outlast the house itself, withstand heaviest wear, and grow more mellow and beautiful with time.



Have you read "The Story of OAK FLOORS"? Mail this coupon for your free copy

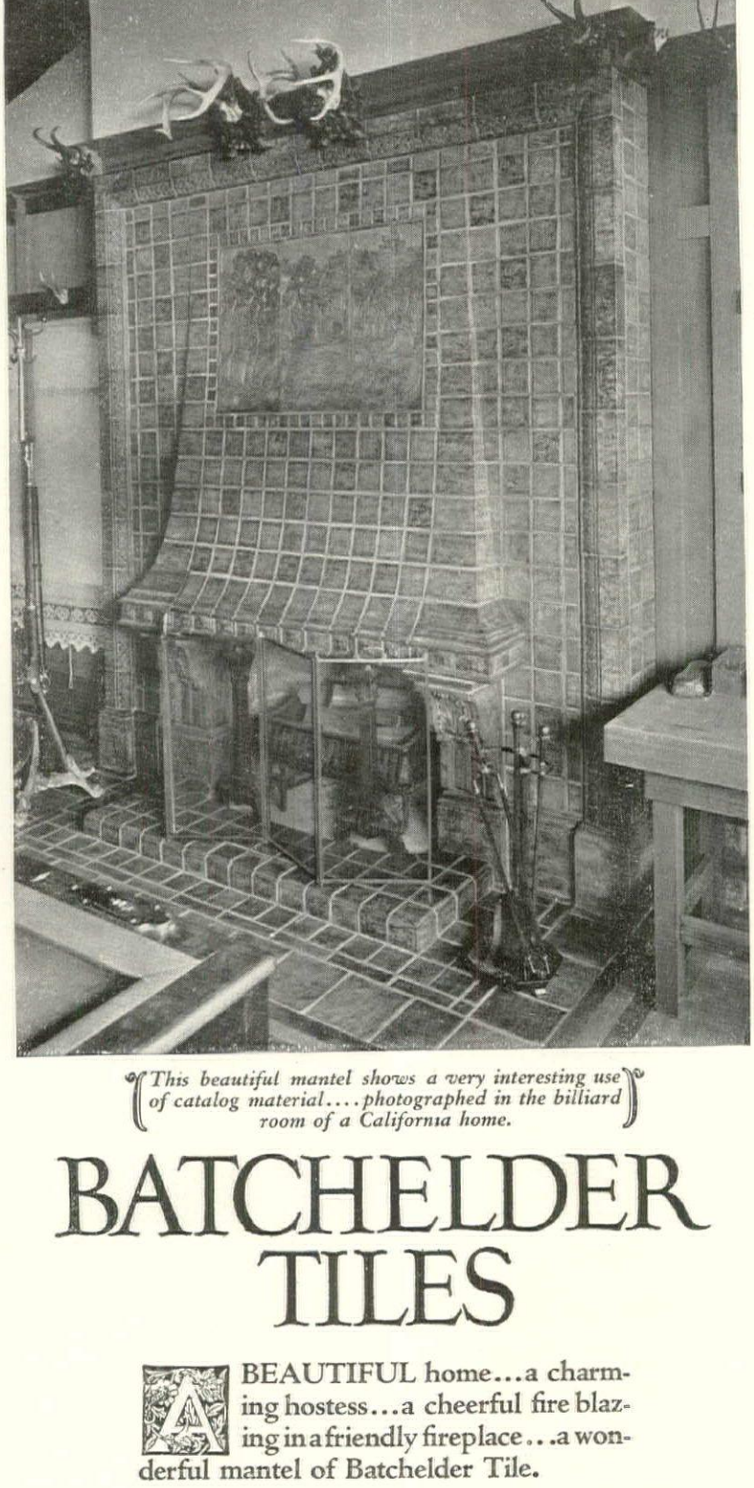
OAK FLOORING BUREAU
847 Hearst Building, *Chicago*

Please send me your free, illustrated book, "The Story of OAK FLOORS."

Name.....

Address.....

City..... *State*.....



This beautiful mantel shows a very interesting use of catalog material.... photographed in the billiard room of a California home.

BATCHELDER TILES

A BEAUTIFUL home...a charming hostess...a cheerful fire blazing in a friendly fireplace...a wonderful mantel of Batchelder Tile.

Nothing can supplant the mantel as the dominant point of interest in any room.

The colors of Batchelder Tiles are those of a rare old tapestry...soft, subdued, mellowed with age, the textures rich and delicate; the designs, distinctive, many and varied. A Batchelder mantel quietly harmonizes with any decorative motif... any furnishings.

In addition to mantels, Batchelder Tiles are available for fountains, baths and pavements.

More complete information in the Batchelder "Describe-o-Log". Write for a copy.

BATCHELDER-WILSON COMPANY
2633 Artesian Street, Los Angeles
101 Park Avenue, New York City

THE KING OF WOO

(*Continued from page 92*)

are fully as satisfactory. Even within the groups and, in fact, within the same species there is considerable variation in the quality of the timber as a result of the conditions of growth. Trees of slow even growth on well-drained soil produce lumber of the finest grain, easiest to work, and least likely to shrink and swell with changes in the humidity of the air.

There are two general methods of manufacturing oak lumber and each produces its characteristic figure. Cutting the boards from the outside of the logs, or tangentially to the rings of growth, produces what is known as flat-sawed or plain-sawed lumber and the grain of the same general type as that so common in ash and chestnut. Oak is peculiar in that there are, radiating from the center of the log like the spokes of a wheel, such wide ribbons of special tissue (medullary rays), and when these are exposed on the surface of a board they show as conspicuous flakes. This is the so-called "quartered" oak. This name refers to the manner of sawing, the log being first cut into quarters and the boards then taken from the faces thus exposed. If a quartered board is set on edge upon a plain-sawed board the relative positions of the two kinds with reference to the log will be readily understood. Quartered oak is by no means always the same in appearance, since instances the whole of the show, producing large f "splash figure," while in o rays may be cut more or le bias, giving rise to stripes a in infinite variety. Wheth flakes appear lighter or da the pore-and-fibre backgro pends upon the angle of vis of life which cannot be cou by any process of "graining sawed oak has many uses w more appropriate than the and much fine furniture an trim are composed exclusiv The most elaborate and cos of all, namely those which cately carved, are made e plain-sawed oak.

Much of the best oak both ancient and modern, in natural color, or perha stained, and waxed, rather high polish or glassy coats o Glossy finish is common in niture, but for more decor poses the beauty of the wo displayed by the simples treatment. It is easy to keep tion and one never tires fact, one of the charact oak, appropriately selected in floors, furniture, panel or all combined, is that it congenial.

CLOSETS AND THEIR EQUIPM

(*Continued from page 56*)

made, will be a literal crematory for moths, and equally good insurance for my lady's woollen valuables.

The cedar lined closet sells itself on sight and is a permanent exterminator, if well jointed and made of heavy boards. When lining an old closet with cedar, the best plan is to remove all of the present lining, clear to the joist and studding, and apply the cedar lumber horizontally. The great advantage of the full cedar closet is that it permits the safe storage of things without folding and wrinkling; and it is infinitely more accessible than a chest. But the effectiveness of the cedar odor varies with the amount of the lumber present, so the very small boxes, and drawers which are merely lined with thin cedar boards will not qualify as exterminators.

Garment bags, of one sort or another save clothes and improve the appearance of the closet. For protecting fine frocks from dust, frequent handling, and the effects of light there are cloth dress bags that come in a variety of colors, so that a woman may stock her wardrobe with her favorite shade, or choose an assortment of several different colors to classify her clothing and facilitate finding things.

The newest cloth dress bags are now treated with a chemical which is a moth deterrent and finished with fastenings so effective that no insects can penetrate. When these are purchased in sizes to hold half a dozen dresses or more, you virtually have the protection of a closet within a closet.

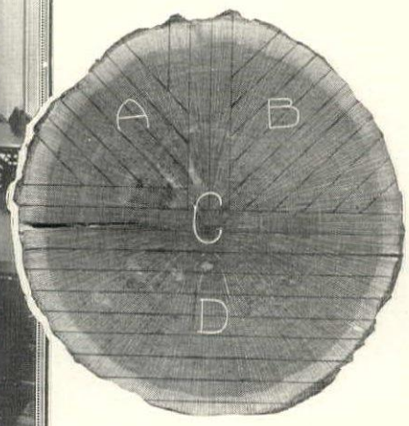
For the seasonal storage of clothing the tar and cedarized paper bags, which are air tight as long in good condition, have efficient protection against m bags are made for indiv ments, and also of a size t eral at once. There ar weights and grades, and point in buying is to get a ity, with a fresh odor, a venient opening. Those w the garments from the fr are more convenient than th ing bags. In addition, the tar and cedar paper which large sheets for wrapping as blankets.

If moths have been abou closet or clothes are infeste take the offensive and pro stroy them, down to the ve There are several effective on the market, most of built on a base of kerosen tetrachloride is a sure ex Pure kerosene is also go don't mind the odor, and off in a few hours. Use a spray, rather than one wh separate streams, because it surface more thoroughly.

As soon as the clothes they should go at once in tainers, to prevent co again, and to preserve the o are offensive to moths.

As a double precautio moths out of a closet whic freed of them, there are s recommended volatile p which can be set in a can in to keep effective sentry as odor lasts. A very pleasa type is one made from ced

Quarter sawing brings to the surface the characteristic "flakes" or "flashes" in the cell structure of oak. Sections A, B and C of the fine oak log shown below will be quarter-sawn to adorn your home with beautiful Bruce quartered oak flooring. Section D will be "plain" sawn.



Look to the Floor

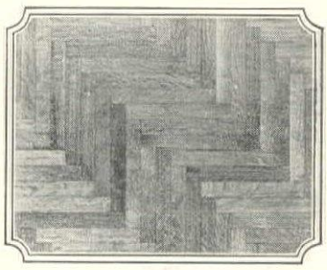
HAT the rooms of your home may uggest dignity, beauty, and comfort, eflect in every intimate detail the perity of the owner, look to the floor—oundation which determines the charof the room. It is the largest single ele- of decoration next to wall space, and its ssful treatment enhances the appearance ur furniture, pictures, and rugs.

re provides in oak a flooring material of ctive beauty, quite aside from its perma- and wearing qualities. Its mellow natuloring may be varied to suit individual by using color finishes, or by medium ep weathered tones. A finely finished oak floor is a triumph in the adaptation of one of Nature's exquisite gifts to man.

Bruce manufacturing skill brings oak flooring within reach of any home, either quarter or plain sawn, and in a great variety of grades, widths, and thicknesses. There is a grade to come within the estimate set for each room; and for principal rooms, a final touch of distinction may be added by the use of Bruce design flooring at a cost only slightly greater than strip flooring.

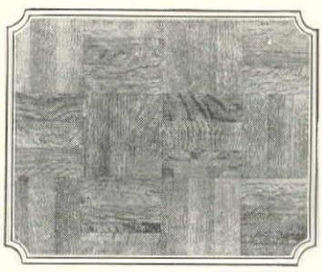
Write for this book

"Just Inside Your Threshold" suggests many ways to individualize your floors at reasonable cost. This very helpful book will be mailed free on request.



Chateau and mansion of olden days bear testimony to the supreme elegance of design pattern oak floors, now supplied by Bruce within reach of the most modest purse.

Herringbone (above) and square pattern (below) are two of many handsome varieties.



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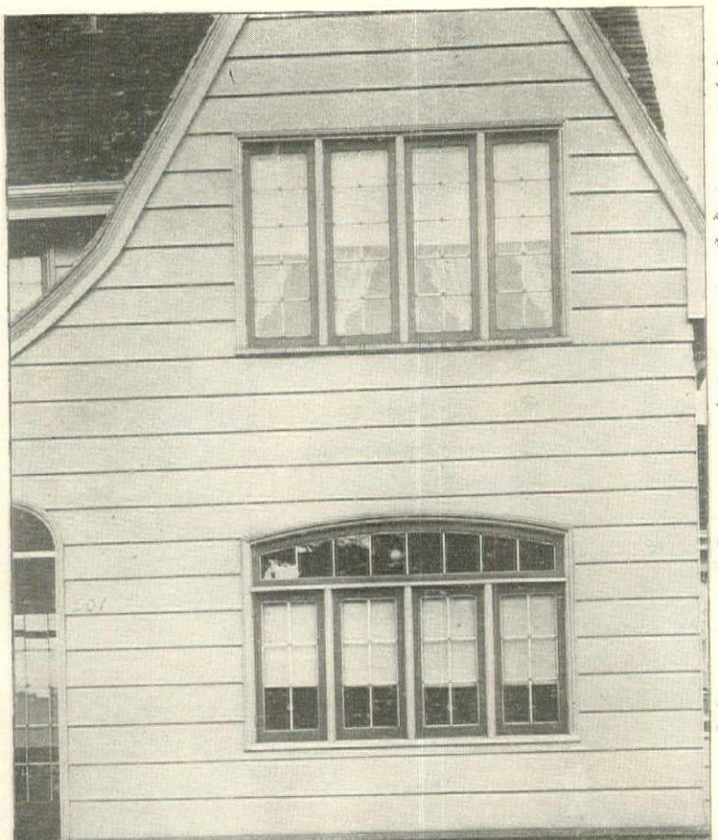

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City..... State.....

NEW EQUIPMENT FOR KITCHI

(*Continued from page 68*)

must have circulating air. Manufacturers have known this for many years and have excellent boxes with air holes in plenty. Now comes a wire shelving with five compartments to hold long shafted vegetables like rhubarb and small vegetables like potatoes. Being of wire it is open to the view and you can readily tell in light and air what you have on hand. This newer rack is about two feet high. There are of course, larger ones of wire which are more costly for the kitchen porch or cellar. These small ones are designed for the pantry or kitchen.

Waste Disposal. If you have a home in the country and have no incinerator, in which to burn your waste, you may be interested in the underground garbage receptacle, which is sunk into the ground. Into the outside container of iron fits a can with a heavy bail, it holds 15 gallons of material. This is not ideal, for anything but an incinerator, is a make shift in the disposal of waste.

Waste Can. The indoor garbage can with the pedal which lifts the lid preventing back bending and permitting you to use both hands for steering the garbage into the can is an ever increasing joy to all who have them. The new model has a can inside which is very easy to empty when full. We always mention them in our equipment articles because they are so comforting, where there is not an incinerator connection or incinerator. In the houses where there are incinerators these are valuable in bath room, nursery and pantry. They are finished in different color enamels.

Ranges. The question of ranges is too big a one for this tale, but if you have not heard of the oil range with stationary oven, you will be glad to know that there is a five burner oil range with this oven, which raises the oil range even more definitely than ever into the realm of a *real* and not *makeshift* cookers.

Chairs. Since the kitchen has been taking on a new dignity by dining the dwellers of the home, the question of kitchen chairs is a pleasant one. For there are very well made chairs for kitchen use as well as dining use. Every kitchen should have at least one comfortable chair. The windsor style or the straight back (almost refectory) chair with higher seat than the windsor, is often a great boon in the kitchen. There is no reason why a kitchen should not be comfortable, just because it is a kitchen. This is particularly true in the kitchen where the lady of the manor carries out the ceremonials.

Fruit Squeezer. Finally an implement which is fastened to the table for the extraction of three fruit juices is made. It has three different little reamers or plates which are clamped in and one of which is used for oranges, one for grape fruit and the third for lemons! With this in place, you are always ready to squeeze fruit rapidly and get all the juice.

Fruit Parers. When preserving or making apple sauce or peach conserve, the welcome little fruit parer will be a real joy. It is swift in operation, sure and time saving. It obviates hacking up and therefore wasting ples and peaches and therefo money too.

Bean Slicers and String you serve beans daintily you sliver them, and of course you string a string bean. It is u tedious job, but your tedium banished by using the litt stringer and the slicer, both o are screwed to your work-tabl of course are of special interes if you "put up" these vegetable

Dish Drainers. If you ar ing dishes and then setting the wooden shelf awaiting dryi will welcome the dish-drainer hold the plates and silver in p at the same time drains off th come waters. The ones of al are very useful and light an rust.

Plate Warmer. These l beautiful black nickel strappe but really they are large plat ers heated by electricity. T about two feet high and va 18 to 36 inches. These are for the large household whe come to meals at all hours, them the meals or plates can hot after the stoves or range rest. They are of special use in large residences and are n thought of for the small ho larger type has a pilot ligh tells when the electricity is has the "off" and "on" swi convenient place. No extra needed for these warmers, as attached to the regular elect circuit.

Beverage Mixer. These d people seem to enjoy beverag than ever, the electric beverag will be of real service. But o it is useful *especially*, if the invalid who must have mix drinks every day and often.

Whipper. This is a little egg whippings, cream whip making the evasive Hollanda This comes with bowl and w and you can beat and whip comfort and sureness. Whip surance saves food material, an investment in any of the b ing, mixing and whipping d a saving.

Ice Cream Freezer. freeze by electricity and save energy. These freezers have some of which have the motor usable with alternate a current while some have motors for direct or alternati must always tell the salesma sort of electricity you have you buy anything with a mot

Floor Mats. Here is anot that people seem to hug di We have always wondered w that people, day in and day in and year out, tolerate foo ness, because the floor is hard resilient when a rug costin ten dollars could help the s There are any numbers of the market designed for kit from glazed materials to the f weaves which help the weary reducing the impact of the the floor.

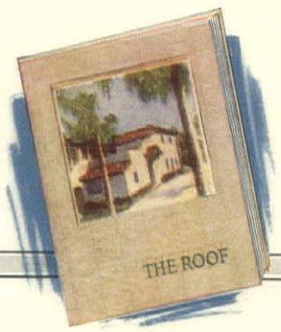
Residence of W. H. Bell, River Forest, Illinois. Buurma Brothers, Builders. Roofed with IMPERIAL *French Tiles in Red.*

e Cooler in Summer—Warmer in Winter

BEING non-conductors of heat and cold, IMPERIAL Roofing Tiles add greatly to the comfort of those they shelter. A roof of these tiles keeps the home cooler in summer and warmer in winter, reducing heating bills appreciably.

This feature of all-year comfort is only one advantage of IMPERIAL Roofing Tiles. Others are unfading beauty and perpetual protection from fire and the elements. The everlasting qualities of these tiles make them the most economical roofing material you can choose.

Numerous beautiful color plates of distinctive tile-roofed residences are contained in this elaborate brochure, "The Roof." It may give you many helpful ideas for that home you plan to build. Sent for 25c in coin or stamps to cover postage and handling. Address Ludowici-Celadon Co., Room 1124, 104 South Michigan Avenue, Chicago.



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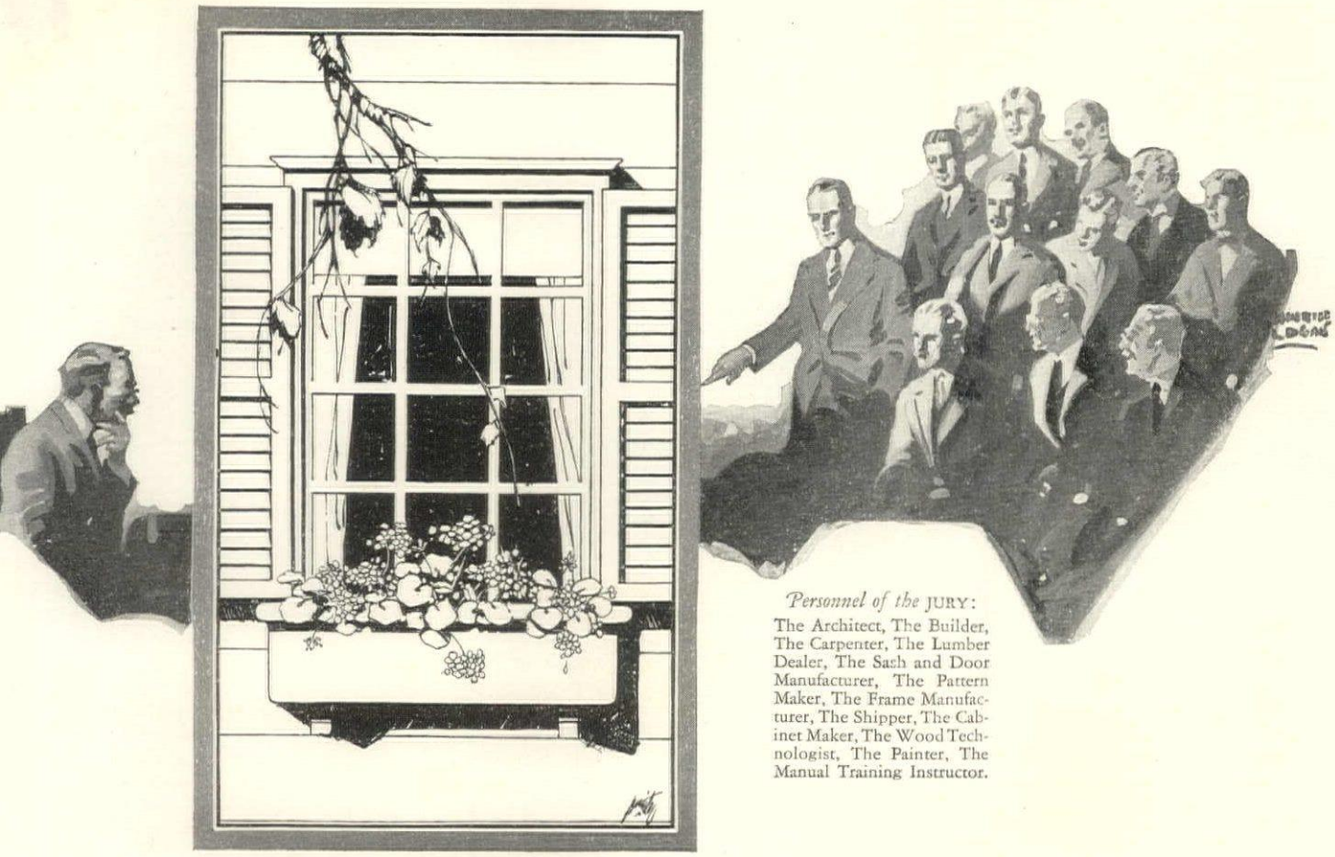

Personnel of the JURY:
The Architect, The Builder, The Carpenter, The Lumber Dealer, The Sash and Door Manufacturer, The Pattern Maker, The Frame Manufacturer, The Shipper, The Cabinet Maker, The Wood Technologist, The Painter, The Manual Training Instructor.

California Pine is proclaimed
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MERICA'S great wood jury—composed of men whose business it is to know ds and wood values—long ago discov- that California Pine is *"the window wood."* ould you ask them WHY, they reply:

Because this wood is soft, therefore cuts ly, with or across the grain, without chip- g or splitting; is uniform in texture, giv- equable service in all window parts; light veight, making sash operation easy and icing cost of sashweights; takes nails and ws readily, without splitting, anywhere are driven; and thus holds all parts se- ly in accurate joinery. ng light in color, less nt or enamel is re- ed; while ready absorp- invites paint-oils and ins pigments. Freedom n 'grain-raising' main- s smooth, unchecked ted surfaces, without ing, thus providing additional protection from weathering. California Pine window frames and sash retain their form and structural unity, regardless of the extremes of temperature and humidity, because the wood doesn't warp or twist, swell or contract, to the point that might cause windows to stick, become jammed, or rattle."

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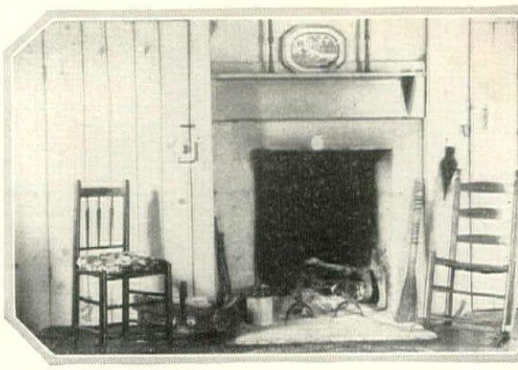


Antoinette Perrett

The interiors reflect the simplicity of the outside scene. The fireplace is flanked by doorways to closet and staircase

OLD HOUSES ON THE C

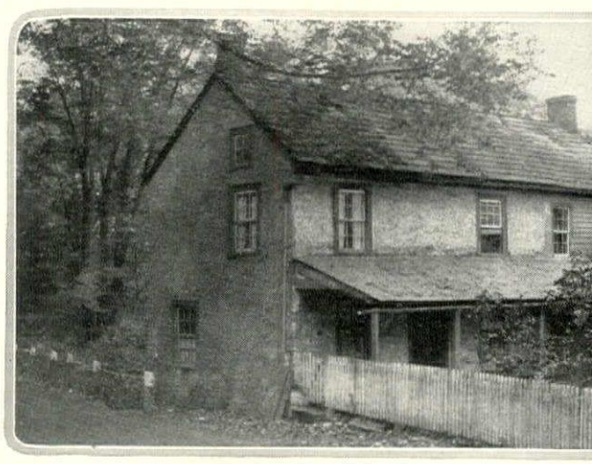
(*Continued from page 62*)

gives the one excitement of the day, as the arrival of the mail or the one train in a more populous district, is the passing by of the barge and its three mules. This is the last word in local color. A man and a boy usually manage the event, and between their conversation with the mules and the banter from barge to the inhabitants of the bank along the way, the affair is as good as any show in town if one is appreciative of things along just that line. Especially when "Jenny," the white mule, gets out-of-bounds. "She gets a little free," the captain says. In spite of the fact that she often breaks her rope in temporary exhilaration, "Jenny" is an excellent mule and always the lead. A conch shell, the old kind and genuine, lies astern on each barge and serves signals between captain and youngster mate on the journey—a shrill, harsh note which announces the barge's approach to all the bank folks.

Some of the houses have had frame additions or are of stone and frame combined. This frame part is quite old, too, and the artists who have acquired them take great pains to leave all as they found it. The interiors are charming with the old, hand-carved woodwork, and, sometimes, double fireplaces. A unique treatment in that vicinity seems to be a huge fireplace enclosed in double doors, each of which folds in half. By closing these and t wooden button the fire shut off from the rest Whether this was to pr when the fireplace was we use dampers in our neys, no one seems to seems more probable is used for smoking ham regular smoke-house, the original inhabitants afford. For all that ha doors are very large s sit inside while a fi

The ruggedness of t country is very beauti slate cliffs already mer prisingly high; Top I cliff, being a sheer fou rise from the roadway, tion of six hundred level. Much quarrying in the past and still p ing those huge incuts contours which are a and geologist.

Across the river f side these towering qu like great giants, o landscape, and changi like, with every pass sun ray. They, like th selves, below them, subject of many a car walls attest—Garbers, Prendergasts record th spiration this beautifu been.



From the roadside stone steps lead down to the paved p of this plastered stone house. The canal lies just bey the right end

SLYKER Radiator Furniture has become a national need in good homes—not alone because it adds beauty and distinction with artistic concealment of heating radiators; but also because each separate cabinet adds its full part in keeping the house atmosphere healthfully moist and prevents soiling of walls and draperies from dry dust currents. Sold only by leading stores and decorators.

Every well ordered home can afford SLYKER Radiator Furniture. Simple to install, economical and necessary. Made in three distinct styles (Rod Grille shown above.)

Made of special furniture steel finished for life-time service in six coats of oil enamel, each baked on. Shades of Mahogany, Walnut, Ivory or White. Write for booklet and other information.

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THE well-kept home is the well equipped home, for proper equipment makes proper housekeeping easy. Such equipment is Lewis & Conger's specialty.

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In this one shop you will find hundreds of devices from all over the world, especially designed to make housekeeping more of a satisfaction.

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All linen Breakfast Set made of heavy Irish linen, white center with contrasting colored stripes. 1 Cloth—54x54 6 Napkins—17x17. In Blue, Gold, Pink and Green Stripes, $5, Regular Value $7

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To Meet Every Summer Need

The discriminating hostess knows the value of an attractive setting for her informal luncheons and lawn parties. Cloths of cool, inviting linen striped in attractive and colorful patterns—with napkins to match—help ever so much in successful Summer entertaining.

The Irish linen breakfast set featured above is only one of a number of unusual values at McGibbons. Sheets and pillow cases of pure linen, towels of fine McGibbon quality, for increased Summer needs —all are offered at surprisingly modest mid-summer prices.

Send for folder No. 68 showing specially featured McGibbon merchandise.

Household Linen *Interior Decorations* *Lace Curtains*

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NEAR FIFTH AVENUE

PANSIES AND THEIR

(*Continued from page 52*)

familiar with the delightful Diary will remember.

No one talks about Pansies for long nowadays without going into the question of whether the Pansy is a true perennial or should be treated as an annual. Well, that depends. In my own garden, where a warm covering of snow may usually be depended upon to come in early winter and last till those dangerous sunny days of February and early March are past, they sometimes live over several winters; just how many years any particular plant may have lasted I cannot say. I am an untidy gardener I fear; at any rate so many thousands of self-sown Pansy seedlings are always developing that the keeping of vital statistics has never been undertaken. But I do know that whatever time in their seedling year the plants are set out, whether in early spring, mid-summer or later, my Pansy plants may always be counted upon for their biggest show their second season in the garden. I once had a long bed of them, perhaps thirty feet by two. They were fair the first summer, but the second they began flowering in May and being set rather close together they not only filled the bed but by actual measurement grew two feet tall. I could furnish witnesses to substantiate that statement. Yes, they would have been much better if they had been farther apart for then they would have been more compact and would have lasted longer. As it was I couldn't single handed make any progress in keeping them picked and they soon came to nothing. For a time I did try to keep them down with the aid of young Napoleon, to whom I gave ten cents for every dishpanful of blossoms he would pick from them. But Napoleon after a time sickened of the back breaking task and deserted me utterly when the pansies went to seed and the bed to ruin. And you simply M-U-S-T pick them if you are to keep them in condition, a labor problem to be considered before one goes in for Pansies on an extensive scale.

PANSIES AND SHADE

The older belief about shade for Pansies has rather broken down in the past few years. They will, as they always have done, do fairly well when grown in partial shade. It is far better, however, to grow them where they get air and sunlight, not pent up in shady stifling corners. With frequent stirrings of the soil and the water they demand, if seed setting is forestalled, your Pansies and mine will go on blooming all summer long and perhaps do nearly or quite as well next summer too.

The Pansy came in the first place from the Violet, and now we are doing what seems a bit like back-tracking, for breeders are crossing Pansies with certain Violets and calling the resultant forms Violas. In this operation *Viola cornuta* is mainly resorted to. These Tufted Pansies are so called from the fact that the plants have somewhat the low tufted foliage and growth habit of *Viola cornuta*. While many of them have the round Pansy petals, many show the longer narrower petals of the Violet type, and are m the Violet in character. difference, however, is in ing. While many of the Pa remain, and we may have yellow or blue or purple special purposes, as edgings, bronzy browns and pinkish are quite distinct. They are thing is possible, even more than the Pansy, but best of seem to stand the heat of our summers with less distress neglect to water them, th always do. Here in nort York where we less seldom the protracted dry hot spel more likely to come in August to gardens farther doesn't so much matter. Jersey, however, Violas more dependable.

A SPLENDID VIOL

The one Viola that has pe received with the greatest that known as "Apricot," which does more to sugges than a description likely co are a dozen or so varieties separately. These of the co tion are in the main abou across and comparatively shape. One named Viola proven an especial favorit and always calls forth the visitors to my garden is the known as Bowles's Black. I a tiny thing, not wider acr penny, and it is extremely it never shows anything like color, yet in its color lies charm, for it is as if ma richest of black velvet, w into a deep blue-purple t bright yellow "eye" at the c quaint little flowers have petals, but the whole blosso what oblong in shape. It fairy thing and revels in the soil of some odd corner. *Vio* in the variety known as P *Viola G. Wermig*, quite li sized sweet scented Violet in color, and *Viola gracilis* lavender, are also known t den. The foliage of all th is much like that of the Pan smaller. The whole plan compact and shows less te grow "leggy" later in the Pansies often do.

In growing these or the P particularly is this true of one should make it a religio one is to have them at al upon the best seed obtainab photographs accompanying I have with malice aforeth cluded one of a group of sies" in an attempt to show the difference between ther true aristocrats of the race. ture fails in that it shows difference in size, while the in colors is even more stri the most important item in growing, and for that matte table growing too, is to star the beginning, and this me be niggardly over the few ference in price between se ordinary and the gilt-edge

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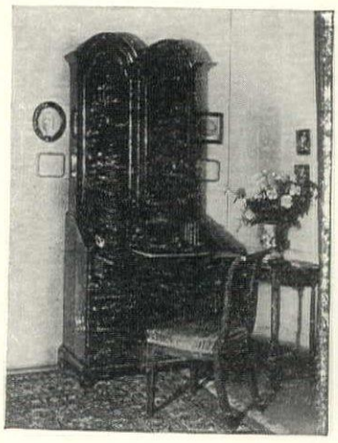
PEASANT pottery with its amusing forms and crude, naive designs is ideally suited to out-of-door dining. It has a gay, refreshing quality in keeping with the informality of the garden, and in addition provides delightful bits of color. With it should be used colored table linen in such shades as mustard yellow, mauve, old blue or apple green. Colored glass in amber, ruby, green or sapphire blue is also a delightful complement to a table of this kind.

SPAIN, Italy and France contribute this colorful ware. Quimper pottery is now available with a primrose yellow ground and a picturesque flower design in blue, henna and green. So effective is this ware that it is frequently used in dining rooms furnished with French provincial pieces. The more familiar pattern of quaintly attired peasants in vivid blues and yellows on a bluish white ground is a charming china for a child's room, its weight and thickness making it practical as well as decorative.



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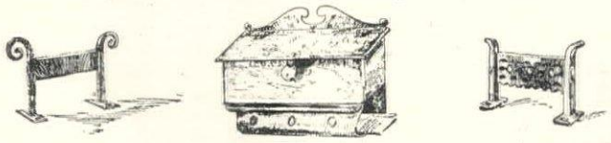

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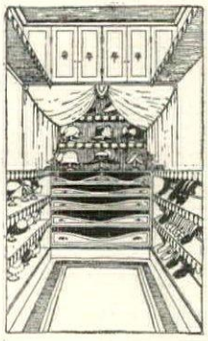

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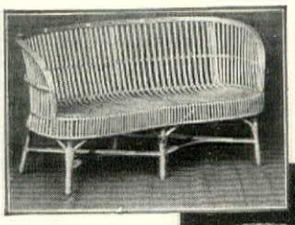

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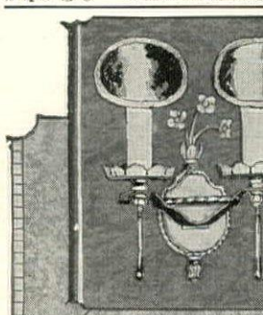

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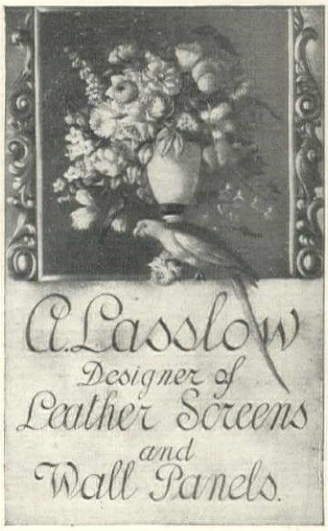

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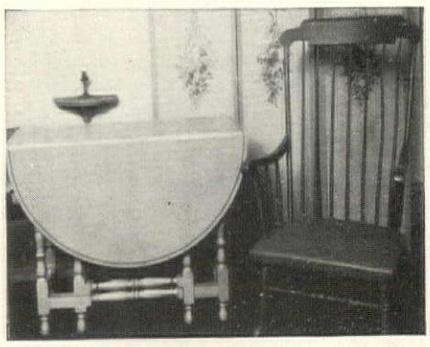

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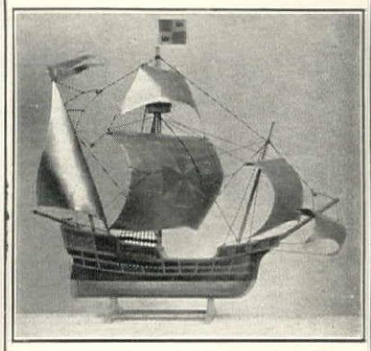

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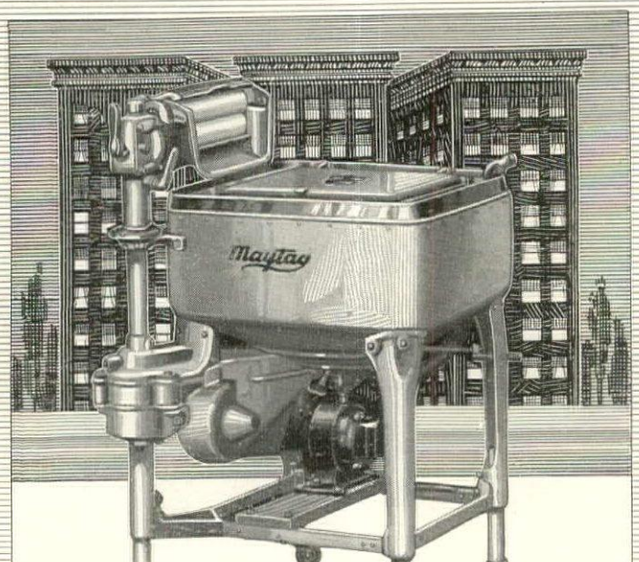

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THE LATE ROCK GARD

(*Continued from page* 49)

spread over it with fair rapidity. *Oe. tetraptera* arises to a height of a foot. It is a beautiful Western species, opening an endless succession of snowy blossoms at sundown. *Oe. speciosa* is taller still and should be given a place only in large rock gardens where there is room for its rapid increase. A small and unassuming biennial with yellow blossoms is *Oe. pumila.* It self-sows about the garden, but is too small ever to be a menace. This American family is a large one and the above are but a few of the many species to be had.

While most of the spring-flowering Campanulas bloom occasionally during the rest of the season, a number of this choice family are at their best when the cool blue or white of their bell-like blossoms is most welcome and refreshing. Of these is the well known and profuse-flowering *Campanula carpatica,* the Carpathian Harebell. It has several improved forms with larger or more open blossoms, but all are lovely. Near it is *C. turbinata,* the true form seldom seen, with grayer and hairier leaves and gray-blue blossoms, and a more compact habit than the last.

Our native Harebell, *C. rotundifolia,* blooms all through the summer and autumn and is a most lovely and fragile thing to be cherished in cool corners where ramping neighbors may not overcome it. The white form is less attractive than the blue but is nice for a contrast. *C. Stansfieldii*—which Mr. Farrar calls a gift from Heaven—is a small delightful plant flowering early in July, as does another small charmer, *C. pulloides,* that bears its large dark blue bells in profusion. These are for a favored position in gritty soil where the morning sun will reach them. *C. punctata,* from the Alps of Japan, requires less consideration. It runs about freely in any sandy, open soil in sunshine, making many tufts of heart-shaped leaves from among which arise stems to a height of about a foot from which depend the long, creamy, waxen bells the interiors of which are peppered with red. It is a good species deserving to be oftener grown, though I suspect that where conditions are just to its mind it would bear watching lest it usurp too much territory.

Geranium Wallichianum, a fine prostrate species of this large family, begins to bloom at the end of June and continues until frost, not even asking to have the seed-pods removed. The blossoms are wide salvers of a fine lilac color, paling towards the center. It is easily raised from seed and quite hardy.

Silene Shaftae is brightly indefatigable in furnishing the summer garden with its mats of deep pink blossoms. A sunny situation suits it and it is easily raised from seed. *Funkia minor* blooms in August with the greater, but less lovely, members of its a quaint little prototype of *cordata,* carrying its virgin "lilies" on stems only six inches tall. It is seldom seen. *capitatum* is a beautiful flowered Flax that blosson later than the better-known *L*

Little slopes covered with Heather or Ling, *Calluna* in its various forms are a d feature of the late garden. generally seen is soft red-pu there are paler and deeper well as pure white, and so foliage touched with "gold o They are not over particul soil, though a mixture of peat suits them well, and the position where the wind and may sweep over them. Autu cuses there must be, too, to giv touch to this robust season. C and *C. speciosus* are two fine k follow each other in Septem early October. They may be beneath mats of Thyme or A to keep them clean of spatter

A brief word must now be cerning work in the summer for upon our faithfulness du season largely depends not present comeliness, but also th of the following spring. A should be kept growing stro this spells water in dry weat stingy sprinklings, but in drought, thorough soakings ground is wet for several inch This should be done at leas week and better, every fi After a scorching day, when inhabitants of the rock garde weary and spent, a spraying fine nozzle of the hose is a l attention well repaid by the faces that greet us on the In dry weather this may be d day at sundown.

Spring is essentially neat strained; summer is lax and It is important that the summ be kept tidy. Many plants blossomed earlier will nov straggling and unattractive. we give a sharp shearing wi pair of scissors, snipping off flower stems and a fair p foliage. This treatment wo ders. At first they look a littl but soon regain the mounde that characterizes them in sp they are in good condition to winter with its various Among the plants that wil this treatment are Arabis, Aubrietia, *Arenaria montana* emas, Iberis, *Saponaria ocym* strong-growing Pinks, *Phlox Phlox divaricata,* Nepeta, *rupestris* and *V. prostrat* Violas, and others. Withere should be snipped from all less it is desired to secure see

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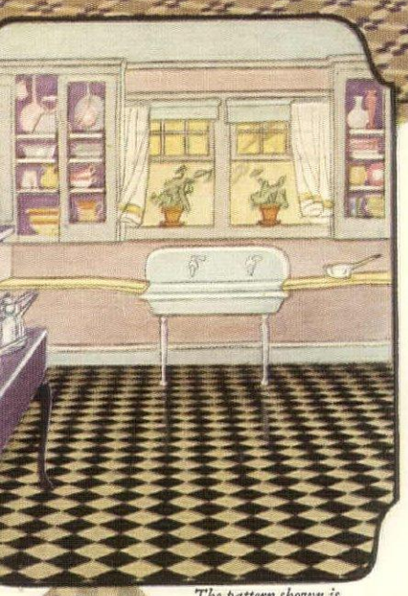

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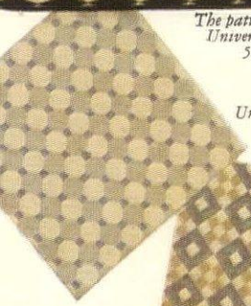
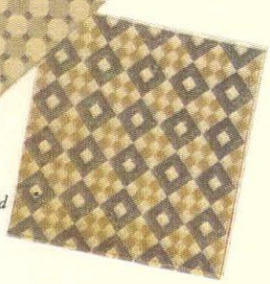


Universal Inlaid 53/31



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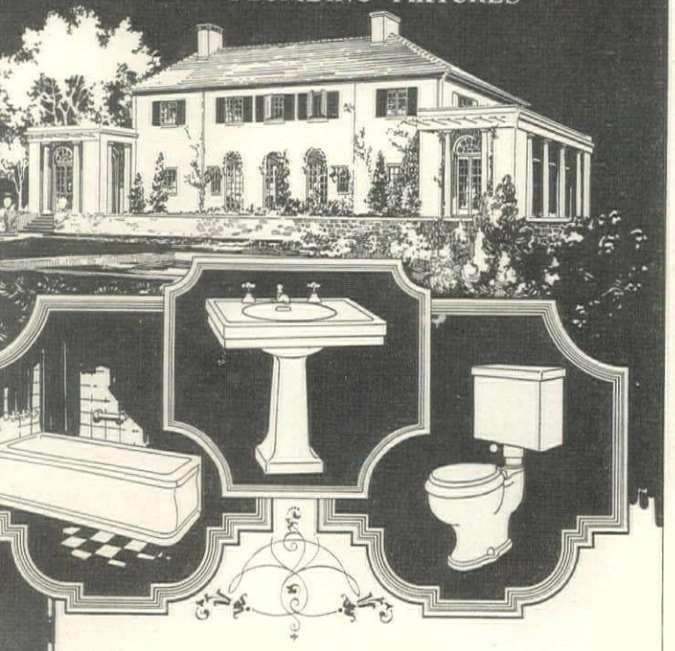

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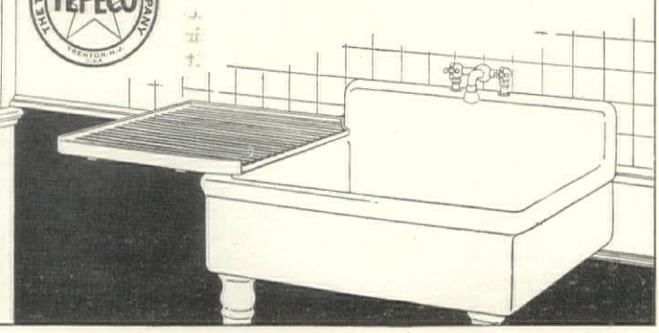

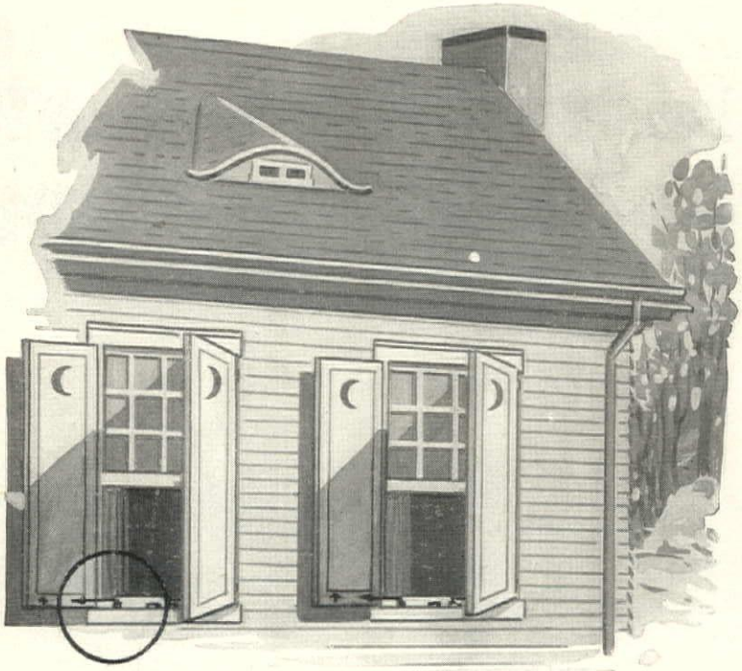

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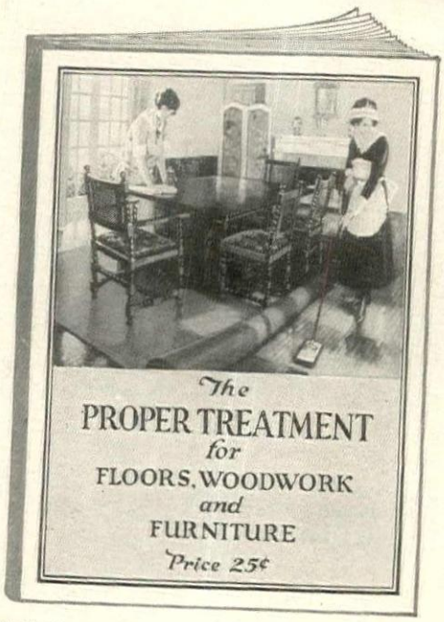

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Address .....

City and State .....

Painter's Name .....

Painter's Address .....

THE LATER WILD

(*Continued from page 51*)

there's a Wild Calla with a bud on it that must have come in the Sphagnum. Glory be!

JULY: This is the month of Lilies. The dominating colors are yellows and purples. The pure pinks of June are supplanted by lavenders and by so-called rosy purples that come mighty close to magentas. White is delightfully represented by the sweet Swamp Azalea (*A. viscosa*) and, later, by the pungently fragrant Sweet Pepperbush (*Clethra*), and, among the herbaceous plants, by the handsome Starry Campion (*Silene stellata*). The only true pinks in evidence are the superb blossoms of the Great Rose Bay (*Rhododendron maximum*), the dainty bells of the Spreading Dogbane and the tall spikes of the Obedient Plant (*Physostegia*) that "stay put" whichever way you bend them. The red Wood Lily (*L. philadelphicum*) lifts its dazzling vermilion cups above the Ferns along the Mitchella and Parnassia paths where the soil is woodsy and the drainage perfect. In that low moist spot where, some day soon, I hope to make a diminutive bog garden, are a dozen Meadow Lilies five feet high, each candelabra-like stalk bearing from 10 to 18 of the nodding bells, the color varying from light yellow to orange red. Among them are an equal number of Purple-fringed Orchis (*Habenaria psycodes*) whose fragrance has a permeating quality second only to that of the Sweet Pepperbush. The two go so well together that I am going to add more Habenarias next year.

LILIES AND LUPINES

Along the northern boundary of the garden, where the soil is deep and rich and sandy, and the sunshine is constant, the giant Turk's Cap Lily grows to a height of 6 or 7 feet and on one lusty specimen there are 36 of the orange yellow blossoms. In front of the Lilies rise the light violet plumes of the Wild Indigo (*Baptisia australis*); then come the pure yellow clusters of our eastern Baptisia (*B. tinctoria*), intermingled with the blue-purple of the Wild Lupin. This makes a stunning combination! And there's another in the moderately acid, woodsy soil of the half shaded area in the northeast corner, made up of the crimson-red bells of Gray's Lily, the golden orange spikes of the Yellow-fringed Orchis (*Habenaria ciliaris*) and the pure white elegantly fringed clusters of the Starry Campion.

Around the pool, the Blue Bells are more profuse than in June. They take kindly to some new neighbors just moved in—the yellow Swamp Candles (*Lysimachia terrestris*), the rosy-lavender Swamp Pink (*Calopogon pulchellus*) and a few specimens of our native Sea Lavender (*Limonium carolinianum*). Other glowing combinations are a mass of Poppy Mallow (*Callirhoe*), with pale yellow Sun Roses (*Helianthemum*) and golden Black-eyed-Susans, in a hot, sunny spot where the soil is almost pure sand and a generous mass of Sundrops (*Oenothera species*) with huge white and yellow blooms, among which flourish harmo
der (*Polemoni*
flowers an al
Obedient Plant a
bane have a noo
daintiness of th
be eclipsed by the

AUGUST: The
same as during J
more intense, due
pearance of the fla
Cardinal Flower a
fiery heads of the B
Tea. The Cardina
peculiar quality, for
not conflicting with
but magenta and its
however, as an iso
specimen or in gro
four, and so have as
Mitchella path, when
proudly among and a
and other greenery. T
not so tractable, and f
I was at a loss where
Finally I banished it to
of the premises, surrou
St. Johnsworts and Blac
and let 'em blaze! Ther
near-magenta flowers this
are permissible only in p
whites and pale yellows,
grouped them along the Par
where the exquisite Grass of
which gives this path its na
displaying myriads of six-pe
blossoms, each faintly str
green. The flowers of the
Beauty (*Rhexia virginica*) w
four broad magenta-purple p
conspicuous golden anthers,
tremely beautiful in themse
their beauty is notably enhan
contrasted with the Parnassia.
cedar fence which parallels th
covered with the white Virgin
(*Clematis virginiana*) and th
pink Mountain Fringe (*A*
and this makes a superb ba
for the rosy-purple Fireweed
bium) and the pink-purple Co
(*Brauneria purpurea*), mixed
white spires of the Culve
(*Veronica virginica*) and a
number of the paler yellow Oe

THE FLAMING BUTTERFLY

Down in the embryo bog, w
Meadow Lilies graced a sho
ago, the stately rose-pink Swa
low, the Tall white Meadow
the violet-blue Lobelia make
some group that looks m
monious and pleasing than i
But the great glory of the Au
garden is the dazzling deep o
the Butterfly Weed. It is di
find an agreeable roommate
splendid creature, because of
dilection for the hottest kind
ters and the poorest kind of s
perhaps best satisfied with i
clumps of the Bracken Fern
it goes very nicely with th
Coneflower and is altogether
one rather sterile spot where
a glimpse, just beyond, of a fi
of the Blue Lobelia, located
and moister soil, in the half
a Dogwood tree.

l your ten-thousandth
ression is more delightful
your first . . . . . .

elight that comes from the exclusive beauty of Garver furniture creations just begins with the first impres- ıst as the Hungarian Rhapsody grows in one's appre- ıe more it is heard, so the Garver furnished bedroom one's appreciation the more it is seen. Masterpiece xpressed by craftsmanship that contributes and pre- n aloof fineness makes Garver furniture become a d possession with the years of constant association. a wise investment is furniture for the most intimate ıt yields so much in happiness, that guarantees against ation of something you will become tired or ashamed eed, what economy such furniture is, considering how nger you can—and will—use it. The best dealers s furniture or can arrange for it to be shown to you. s invited for illustrated brochure 207.

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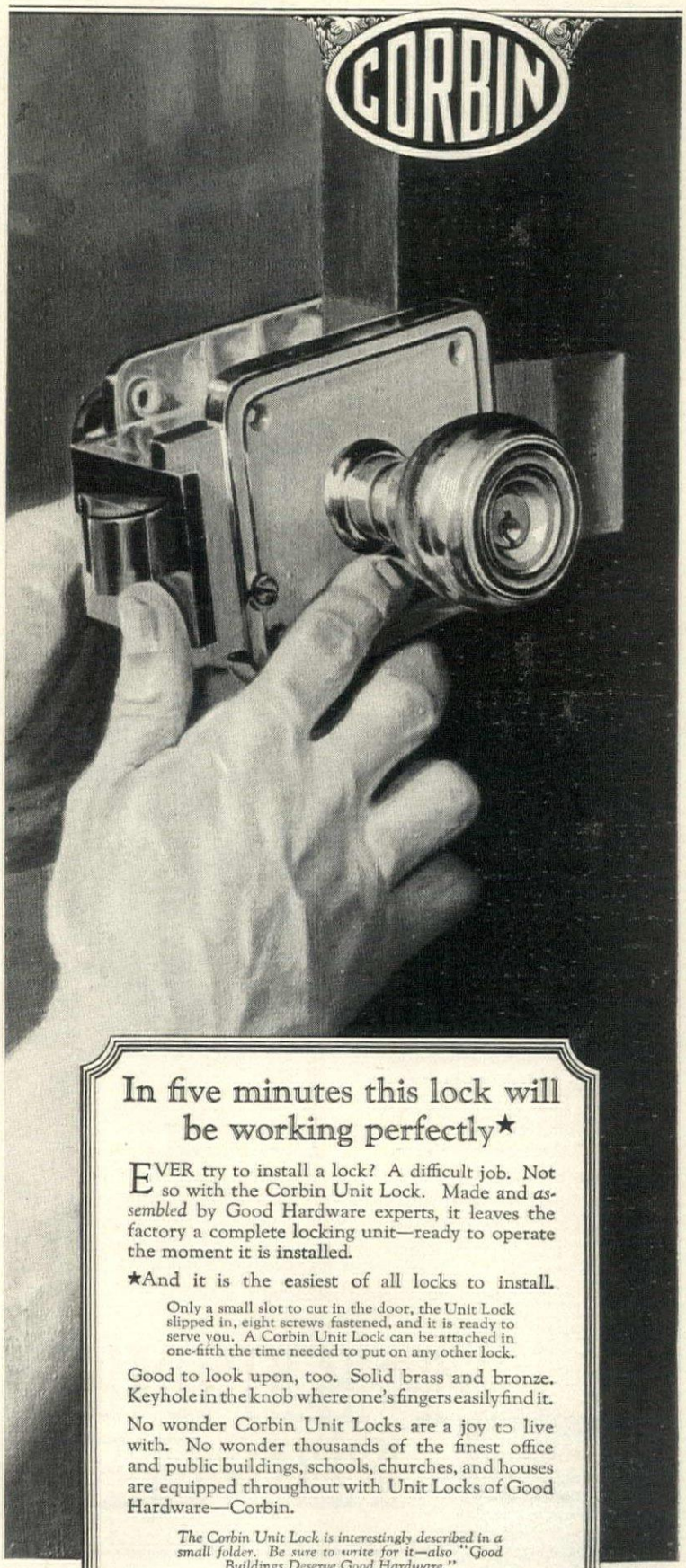

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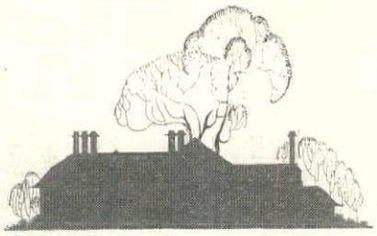

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without cost to you, McKinney will send a full set of Forethought Plans with which you can arrange and rearrange your furniture right on the blue prints until you are certain the wall space, fixtures, doors and base plugs are as you want them.

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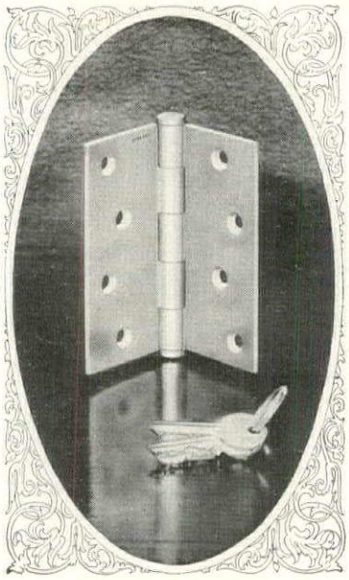

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You can obtain McKinney Hinge quality in sundry hardware articles, including complete hardware for garage doors

The Karri, a western Australian Eucalyptus, attains a height of over 200 feet. To see a grove of it is to marvel at the structural perfection of tree architecture

THE ARCHITECTURE OF

(*Continued from page 75*)

individuals of the same species there is often wide divergence in these matters. The arrangement of the major branches and the tracery of the branchlets are most instructive. The main branches are rigid and may be ascending, spreading or arching and determine the shape of the crown, but it is the myriad branchlets that embroider it. These branchlets may be laxly or rigidly spreading or intricately placed, or, they may be erect, ascending, horizontal, arching or pendent. In trees the crown is typically more or less rounded or flattened, bell-shaped or broad-conical but there are curious freaks in which it is narrow or spire-like.

In the realm of tree-life no stronger contrast exists than that presented by the Lombardy Poplar and Willow of Babylon. It is true that upright and pendulous forms occur in other trees but none are fixed so firmly in the popular mind as this Poplar and Willow. Their very names conjure up mental pictures of the trees. Both are intimately associated with mankind in many parts of the world; indeed, it is doubtful if any deciduous-leafed trees have been more widely planted for purely aesthetic reasons. In the case of the Poplar some consider that this has been overdone—certainly the tree has been planted where it should not have been and its legitimate uses much abused. But this is the fault of man and not of the tree. Rightfully used it is a valuable subject in landscape work and quickly develops a unique effect. The

Willow has not suffe
spect. With its pendent
and graceful, moved
breath of wind, it
sentiment of many r
On the "Willow-pat
and porcelain is perp
gend of the Chinese
Shee, who loved her fa
Chang, and ran away

(*Continued on p*

Sequoias have become a byword when one speaks of big trees. Four hundred feet high, ninety feet in girth, they are the oldest living things extant

Hurry-yes-but he still had time for his bath—

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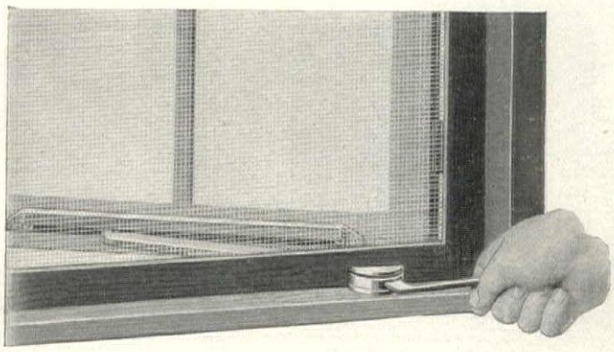

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THE ARCHITECTURE OF

(*Continued from page* 108)

our own folklore and songs the Willow is associated with love, unrequited or forbidden. The note of sadness is present and the bond of sympathy is ever to the fore. Someone has asserted that the beautiful always awakens sadness, and perhaps this explains why this Willow and grief are inseparably linked in poetry and prose.

THE ALERT POPLAR

The Poplar, on the other hand, inspires no such thoughts. Each and every one of its branches grow erect, clustering closely together as if afraid to leave the bosom of the parent trunk. Rapidly it grows and thrusts its narrow, spire-like crown heavenward. Like ambition its one desire seems to be to excel its fellows and flaunt in the breeze far above their heads. Trees from 100 to 150 feet tall are known —gaunt in winter but spires of green in summer, like sentinels they stand and dare both the laws of gravity and the fury of storms. To watch a Lombardy Poplar in a wind storm is inspiring. No tree puts forth a better struggle. It bows far over and defiantly regains its equilibrium at the first lull. Think of the strain on its millions of cells, of their elasticity and supple strength. Compare them with the buildings erected by man, and their superiority in tensile strength is immense.

The Lombardy Poplar and the Weeping Willow have peculiar merits in landscape planting. Their strong contrast makes them companions and near water they are seen to good advantage. The Poplar adds grace and lightness when sparingly associated with round-topped trees. The Willow is best kept well away from buildings but the Poplar may be associated with them to advantage. The Poplar is also well adapted for planting in narrow streets, and by bridges it is seen to excellent advantage. Rightly placed and rightly used the Lombardy Poplar is one of the most useful trees in garden art.

WORLD-FAMOUS TREES

Trees famous for their height, for the size of their trunks, for their wide-spreading crowns, for their beauty of habit, bark, foliage or flower, or for all these virtues, are known in all parts of the world. It has been my good fortune to see the notable tree types of many lands and some of these may be passed in review.

In the White Elm *(Ulmus americana)*, eastern North America possesses one of the most beautiful of northern trees. Among the most striking features of New England waysides are the magnificent Elms shading homesteads, forming perfect avenues or standing sentinel-like in pastures. It varies greatly in its architecture but the most typical is where the trunk divides into several ascending stems which branching again and arching over give rise to a multitude of slender whip-like, hanging branchlets. In another type the main branches are ascending and, arching but little, form a vase-shape crown. A third type has wide-sprea branches and comparat branchlets forming a d crown. This Elm has a in some trees bare o twenty or thirty feet, i ered with slender branc from adventitious bud

Another noble tree o America is the White *alba)* with stout branc to form a broad crow fine specimens are com trunks of great size finely developed burls son of the year this character but especiall unfold pale gray or spring and when the tled in red to crimson foliage.

OUR OWN RED

In the Sequoias America is blessed wit the tree world which all other trees. Imag four hundred feet hi 90 feet in girth! The sults of growth cell two thousand or so yea spare of branches, o storms, yet resisting al through century upo oldest living thing ext merit our veneration

A distant relative which grows on the northern Palestine is Lebanon. By Hebrew anon Cedars were sacred awe. They w power and majesty, o beauty, of strength a as "Trees of Jehovah right hand crowning tains;" masterpieces i wide-spreading shade, dure, refreshing perfu ing fruitfulness. Son imagery in Old Tes drawn from this sour conquerors of olden of Assyria, the Phar the proud and idolatr Judah, the Hebrew Co self, the warlike Am archal times, and the of the Messianic Ag pared to the towerin regal loftiness and huge trunk, massive height, wide-spreading ly umbrageous crown all seasons, are so w they have been con phrase "cedar-like" today by writers who the general aspect of

CEDARS OF L

The grandest of al tation known to th Cedar of Lebanon ha favor in many lands. deep, well-drained s in southern Californ no other exotic tree, p more generally plant tal purposes. Thous spreading, majestic o

(*Continued on*

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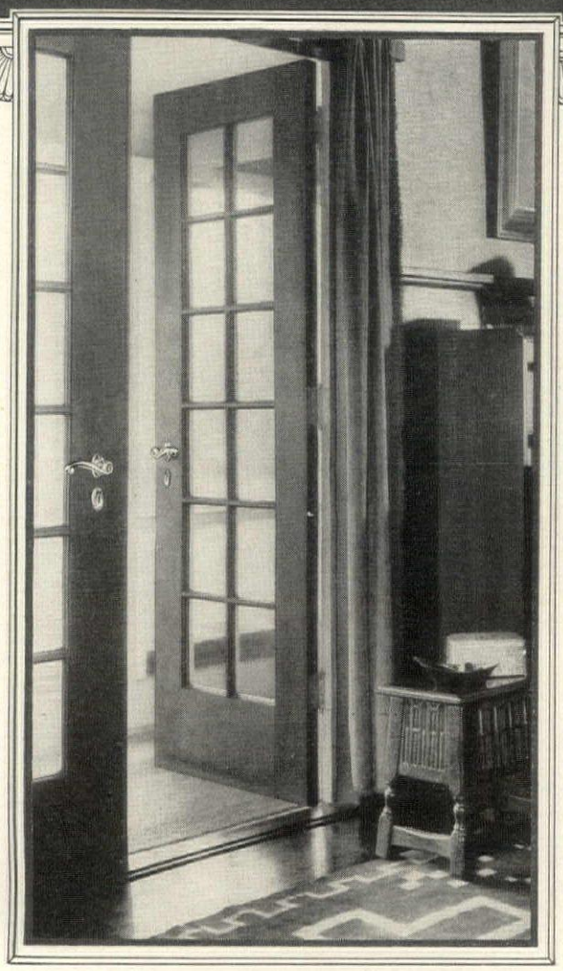

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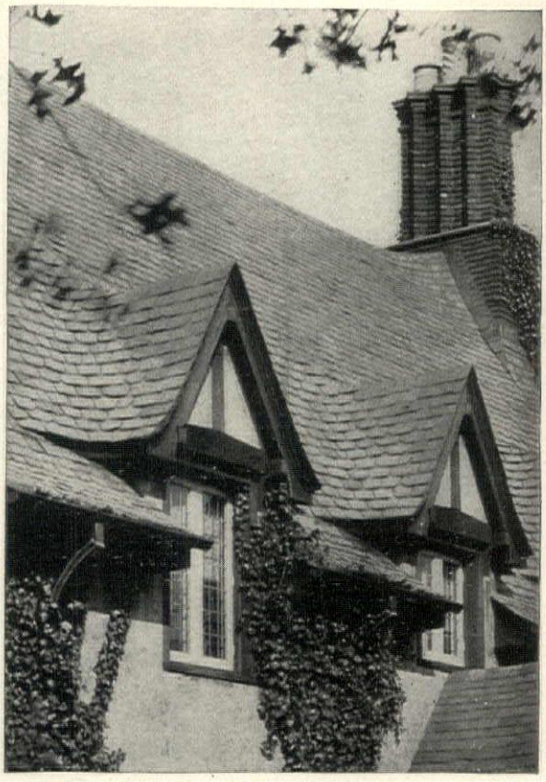

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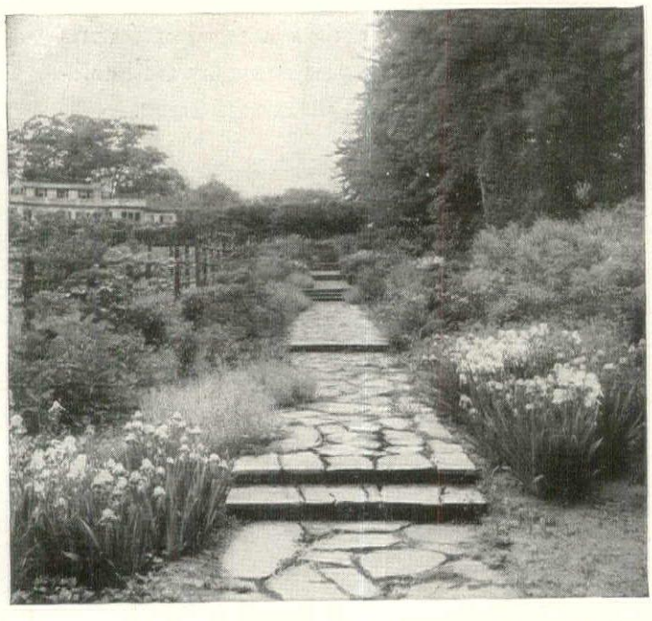

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THE ARCHITECTURE OF TR

(*Continued from page* 110)

scattered from one end of the country to the other and are among the most impressive objects in many stately parks and pleasure grounds.

If a census of opinion were taken as to which is the most handsome exotic flowering tree in the eastern part of the United States there is little doubt but that it would be overwhelmingly in favor of the Horsechestnut. In England a day is especially set apart as Chestnut Sunday for this famous exotic. According to the season this is a movable feast but is usually between May 19th and 26th. From London and its suburbs people journey in thousands to bask in the glory of the avenue of Horsechestnut trees in Bushy Park on the banks of Father Thames. The width of this famous avenue is 170 feet and its length about one mile. It was planted by the celebrated architect, Sir Christopher Wren, in 1699. The largest trees are fully 100 feet tall and from 12 to 14 feet in girth of trunk, with handsome crowns whose lower branches sweep the ground, and the show of blossoms is wonderful year after year.

THE FAMILIAR HORSE CHESTNUT

So well known is the Horsechestnut that description is superfluous. It will grow well in sandy or in calcareous soils but luxuriates best in rich, cool loam. Given plenty of room in park or on lawn this tree will exceed a hundred feet in height and 20 feet in girth of trunk. Its massive branches with their laterals form a splendid oval or bell-shaped crown. In spring ten-inch high pyramids of flowers are upthrust from the ends of myriad branches. No tree is more prodigal in its wealth of blossom and none is more beautiful.

The people of the Orient have a profound veneration for old trees and tree-planting has been practised from time immemorial. The most wonderful deciduous-leafed trees planted by man that I have seen are the Oriental Planes *(Platanus orientalis)* in the old Mogul palace grounds and parks at Srinagar in Kashmir. Avenues and groves of giants 100 feet high with trunks 20 feet in girth and wide-spreading crowns canopied in broad leaves afford most welcome shade to man and beast. Those who planted these trees knew how and did not stint them room to develop their full characters, and today they stand majestic monuments to departed greatness.

In temple and palace grounds and sheltering shrines in southern India I saw a tree which in beauty of architecture ranks without a peer. It is a Fig-tree named *Ficus Benjamina*, close relative to the famed Banyan-tree. Benjamin's Fig is evergreen with small lustrous dark green foliage, a monstrous trunk, short and fluted, with a vast number of large ascending stems which give off myriads of pendent branchlets that hang d the ground. The crown is very in form, being more or less and so wide that it covers acre of ground. In the Lal- Bangalore the tree here pictur easily shelter a company of

In the tropic regions of luxuriates the gigantic Baoba which old travellers told stories. At Mombasa it g quantity and in the dry seaso the branches are naked of there is no more ugly tree in world. The height is not gr dom more than eighty feet, crown is of moderate size onl particular shape and made gnarled branches and stubby lets, suggesting a gigantic cro It is the bulky trunk that is s ing, being often 60 feet in g clothed with a smooth bark. as the trunk is, a bullet fron of high velocity will pas through it, for its tissues are pulpy. The foliage is hands so too are the large white, shaped flowers. The fruit i ordinary, for it is as larg ostrich's egg, pointed at bo clothed with short yellowish hairs, and hangs from a lon Inside the fruit is a white which tastes like cream-o On an island immediately al Victoria Falls of the Zambes the missionary explorer, Da ingstone, carved his name on bab tree when he discove eighth wonder of the wor nearby I photographed the pictured here.

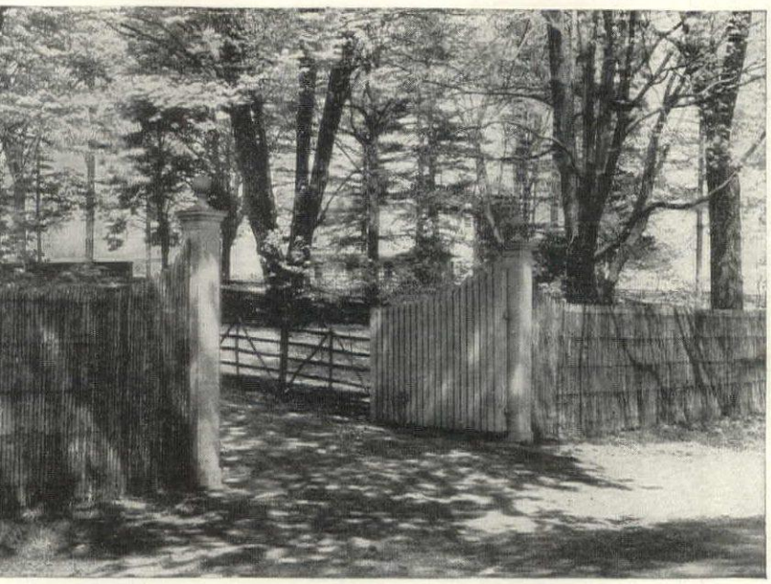
A QUEER TREE

Very extraordinary in ap are the Bottle-trees *(Brachyc pestris)* of Queensland, A These trees are well-named, trunk is shaped like a migh or flagon. Above the co which represents the neck of t a more or less rounded c branches develops. These swollen trunks are really w ervoirs and by tapping them many a traveller has his parched lips. The le deciduous and the large an colored flowers, produced naked branches, present a spectacle.

Australia is remarkably trees and in her Eucalypt the loftiest types known ou realm of Conifers. The sp very numerous—hundreds of told—but queen of all is t *(Eucalyptus diversicolor)*. T of the tallest of the Eucaly the polished white and gra stand like marble columns ture's cathedral. Never shall two glorious days in the Karri forests of Western Au

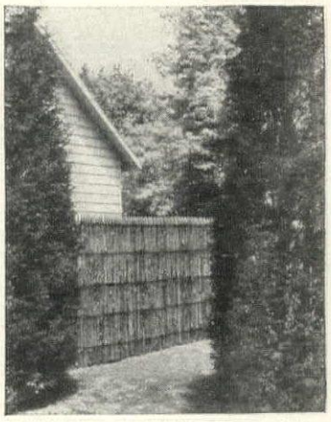
eautiful, Natural Background

DUBOIS Woven Wood Fence brings a favorite Old-World vogue to solve difficult landscaping problems.



On Large Estates

Dubois Woven Wood Fence has gained an immense vogue for screening private grounds bordering on public highways. Its quaint beauty is the most effective yet tactful way of saying 'No Trespassing'.



In Suburban Communities

Dubois Woven Wood Fence is the new and *artistic* method of gaining privacy and of shutting from view such necessities as service and laundry yards. It is moderate in cost and easy to erect.

RFULLY adaptable as a charming outdoor screen, DUBOIS fencing of straight, young chestnut saply woven together with sturdy wire and imported in convenient five-foot sections.

; no paint, the live chestnut quickly weathers to ade which blends naturally with its surroundings.

Wherever a jarring view should be excluded; wherever restful seclusion is desired—there DUBOIS Woven Wood Fence is supremely effective and artistic and is harmonious with any architectural treatment.

Illustrated Booklet "E" sent gladly upon request. Robert C. Reeves Co., 187 Water Street, New York City.

DUBOIS Woven Wood Fence

How to ask Questions about your Garden

the benefit of its readers, House & Garden intains a Garden Information Service. It is d to put its knowledge at your disposal. There o fee for its advice.

to enable us to answer your questions intellitly and helpfully, you must give us full ormation concerning your problem. We urge , when you write, to bear in mind these points.

How to help Us to help You

vice is wanted concerning *the identity of plants or s*, send accurate descriptions.

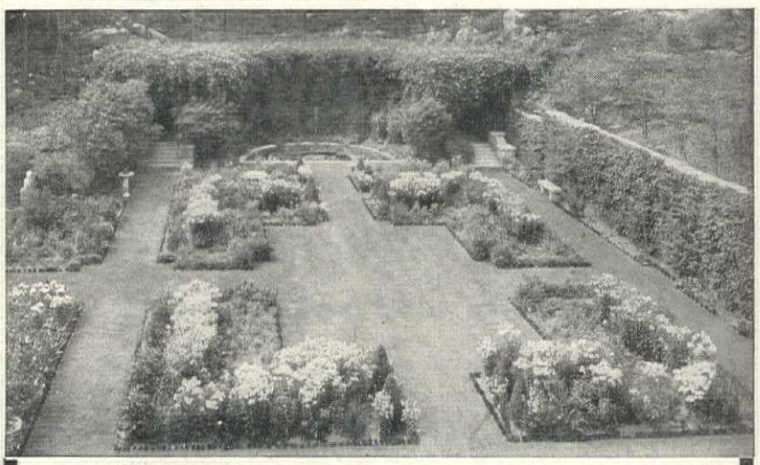
vice is wanted concerning *the care or cultivation of* escribe all the factors in the case—soil, exposure, nd the exact variety of the plant.

vice is wanted concerning *the construction of walls, ls, arbors, gates and paths*, let us know the sort of n which they are to be built (if possible send photo- r scale drawings), the style and materials of the e amount you wish to spend, and your own taste.

vice is wanted concerning *the arrangement of flowers ing-out of grounds*, send a scale plan or photographs. oblem is so large that written advice would be inade- e will submit the names of capable garden architects ocality.

Garden Information Service

& Garden, 19 W. 44th St., New York



AUTUMN is the time to make next year's garden. This year's can no doubt be much improved. Remodel while all the details are fresh in your mind; it is a fine vacation job. Farr Better Perennials will bloom profusely next summer.

Aquilegia, Mrs. Scott Elliott's wonderful hybrids with 4-inch flowers and very long spurs.

Chrysanthemums, whose wonderful frost-defying colors glorify November.

Delphinium, Wyomissing Hybrids. Wonderful blues that drive the "blues" away.

Iris, the flower that leads to a wonderland of delight.

Phlox, continues the color pageant in August and September.

Peonies. Plant in fall only, they bloom next spring.

Poppies. For dazzling, barbaric splendor the Oriental Poppy is unrivalled.

Better Plants—by Farr our catalogue more fully describes better perennials. Send for a free copy. Plants shipped on approval. Pay after receipt in a satisfactory condition.

FARR NURSERY CO.

106 Garfield Ave. Wyomissing, Penna.

Cyclone Wrought Iron Fence Pattern C 508

A Masterpiece

of Modern Fence Building

Cyclone Wrought Iron Fence for city, suburban and country homes is representative of the highest art in modern fence manufacture. It combines simplicity, beauty, dignity. It is highly practical, extremely durable.

Cyclone "Galv-After" Chain Link Fence is also widely used for town and country homes. It makes a beautiful enclosure and provides the utmost in property protection.

Cyclone Nation-Wide Fencing Service—Complete Responsibility

From the time your order is placed until fence is erected, the Cyclone Fence Company assumes complete responsibility for every detail in the manufacture and installation of Cyclone Fence.

Phone, wire or write nearest offices for catalogs and complete information.

CYCLONE FENCE COMPANY

Factories and Offices:
Waukegan, Ill., Cleveland, Ohio
Newark, N. J., Fort Worth, Texas

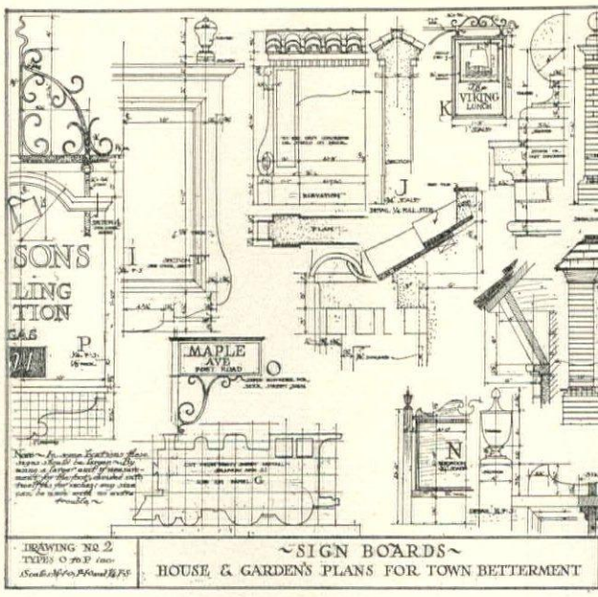
Pacific Coast Distributors:
Standard Fence Co., Oakland, Calif.
Northwest Fence & Wire Works, Portland, Ore.

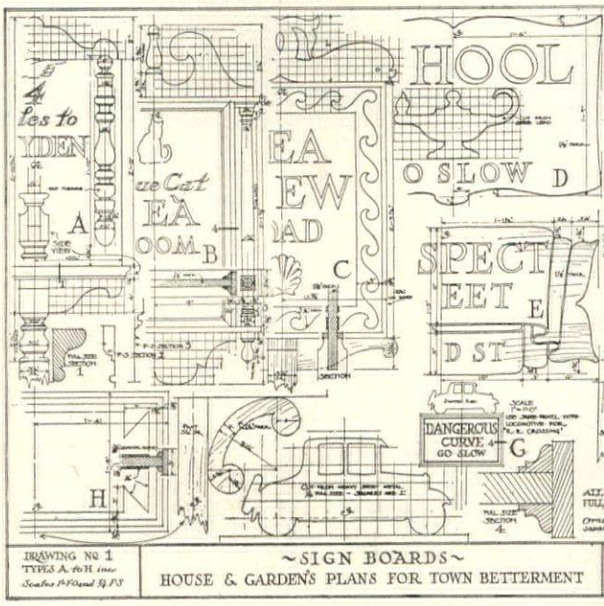
Branch offices in principal cities. Look in your telephone book for our local address.

Cyclone "Galv-After" Chain Link Fence

Cyclone "Galv-After" Chain Link Fence

PROPERTY PROTECTION PAYS





The working drawings for these roadside signs give all the detai struction, lettering and design. They may be obtained free of cha ing the Town Betterment Editor, HOUSE & GARDEN, *19 West 44*

SIGNS FOR TOWN BETTER

(*Continued from page 76*)

for some mark to identify the community he is entering, and the impression received from that mark will have much to do with his opinion of the place he is approaching. An appropriate sign will indicate at once the character of the town. If the predominating architecture of the neighborhood is Colonial, let the sign or signs be done in that manner; just as the sign should be given a Spanish, English or Georgian feeling if one of those is the characteristic architectural style of the community. Suggestions are made for four such signs on pages 76 and 77, and working drawings for the same designs are reproduced above.

The sixteen signs shown here range from the simple to the fairly elaborate, but each one, even though it be somewhat more expensive than the ordinary homely device, c at a cost easily within the purpose to which it all, if a sign is goin some necessary task it sh with the respect due it tance and the importanc it has been called upon

All the signs in this made by artisans of th Most of them are jobs ter and sign-painter; wrought iron bracket services of a forge, wh tain work for a maso schemes should be very ing to colors that harm themselves and with th ings. The lettering is e portant, and the patt on the plan should be f fully and faithfully.

GETABLE GARDEN PESTS

ITE FLY. Minute, tenacious, white winged fly, congre-
ating in large numbers until disturbed.
ugh warm season, especially under dry or overcrowded
ns. Prevalent in frames and greenhouses.
ks Tomato, Cucumber, etc.
er-spray with soap and water for young, which resemble
bacco dust as a repellant.

RIPS. Very minute, cause yellowish appearance or twisted
ves.
ughout season, especially on neglected or backward plants.
cks Onions and Leeks. Thorough, forceful spraying with
e emulsion or with nicotine. Burn all tops and refuse.

P the dust mulch well established in the vegetable garden
se hot, dry days. It will keep down weeds and help to
n the soil the precious moisture which the plants crave.

Peterson's Perfect Peonies

FOR 20 years **"Peterson Peonies"** have set a standard for quality and reliability that has challenged comparison.

They are the result, not of an overnight hobby, but of a lifetime of loving devotion, passion—call it what you will. And this year I truly believe that my roots will be better than usual if not ever.

Do not place your order until you have received a copy of my 1925 peony catalog (the quality of which reflects the quality of this business) ready for distribution August 1st and sent on request.

George H. Peterson

Rose and Peony Specialist

Box 30
Fair Lawn, N. J.

"Gentle Shower" Whenever You Need It!

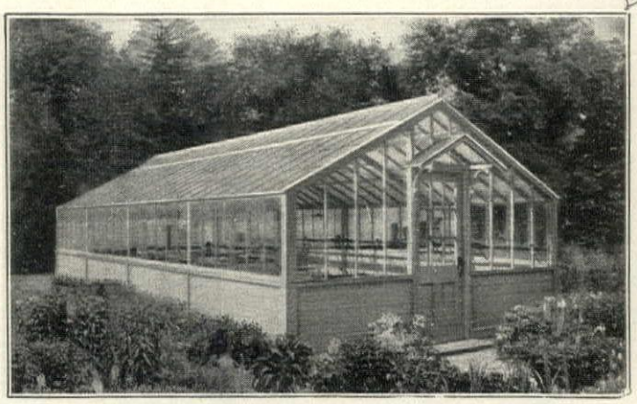
DOUBLE ROTARY Sprinkler assures
, green lawns, gardens and shrubbery all
long. Here is a real self-operating sprinkler!
pressure causes the wheel to revolve, cutting
into fine particles—"like a gentle shower."
s in a perfect circle. Sprinkles evenly over an
15 to 80 feet according to water pressure.
DOUBLE ROTARY is durably built of
angeable parts; will last for years. Working
un in bath of oil. Needs no attention. Saves
of an attendant. Thousands in successful use
e owners, golf clubs, parks, etc.

Sold Direct from Factory on a
Satisfaction or Money Back Guarantee.

DUBLE ROTARY SPRINKLER CO.
ca Cola Bldg., Kansas City, Mo.

Price $12.50 Postpaid

Order on approval. If not perfectly satisfactory return sprinkler and your money will be refunded.



It is 15 feet wide and 33 feet long, giving you in addition to the walks 220 square feet of actual gardening space.

This Glass Garden For So Little As $1650

FOR the price of a Buick Car you can have the complete materials for this full fledged greenhouse. The price even includes the full equipment of benches and heating system. Even to its special Burnham greenhouse boiler.

Frame is of steel. Every inch of wood is a special greenhouse quality of Tide Water Cypress.

More money will buy one of our more ornamental houses, but it can't buy one any better so far as the flowers it will grow and years it will last.

Send for circular devoted exclusively to this particular $1650 Glass Garden.

Lord & Burnham Co.

Builders of Greenhouses and Conservatories

Eastern Factory Irvington, N. Y.
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New York
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Canadian Factory St. Catherines, Ont.
Philadelphia
Denver
Buffalo
Chicago
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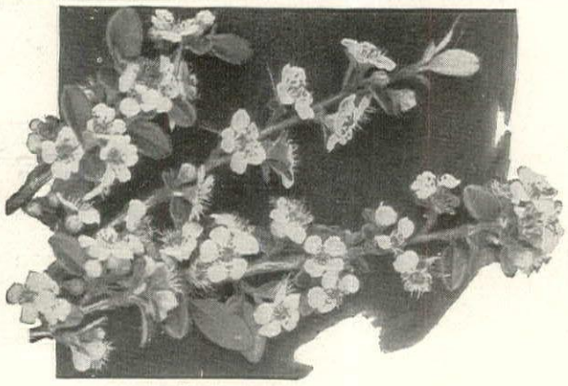
Montreal

Rare Plants from Hicks



COTONEASTERS

DELIGHTFUL shrubs for foundation plantings—some evergreen, others deciduous—all have brilliant fall coloring, and attractive fruits some of which persist all winter.

C. acutifolia and **foveolata** black fruits, wonderful fall colored foliage in orange and red. **C. dielsiana, divaricata,** and **zabeli,** red fruits and dark green glossy foliage; **divaricata** fruits last all winter, thus attracting the birds.

2 to 3 ft. plants, $1.50 each

May we send more information about these delightful shrubs? Write today

Hicks Nurseries

Box H — Westbury, L. I., New York

VEGETABLE GARDEN PE

ASPARAGUS BEETLE. Active, yellow spotted beet long.

June to August, especially on new growth.

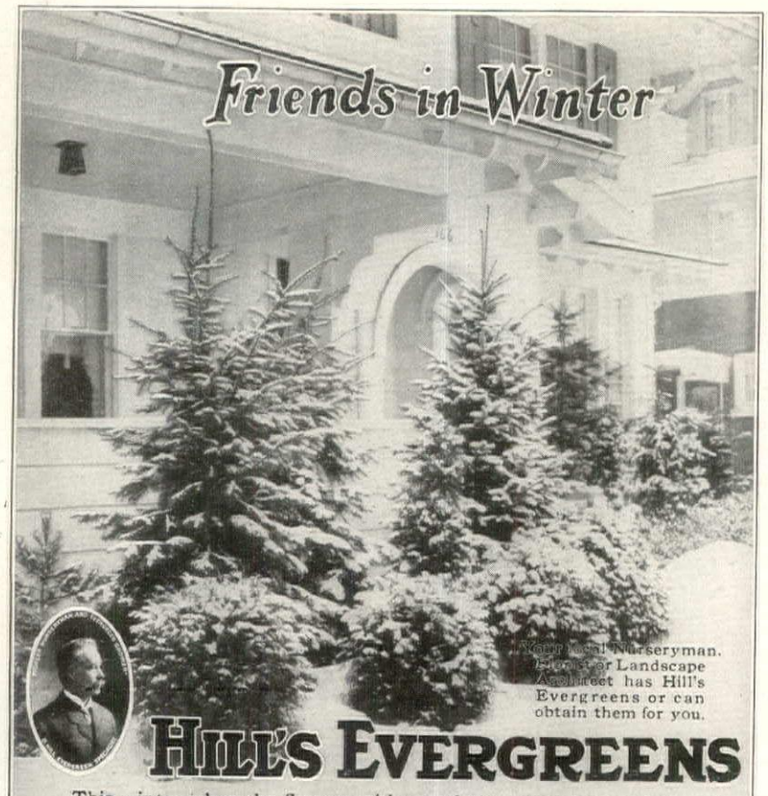
Attacks Asparagus foliage.

Cut over everything clean in cutting season, and the summer growth with arsenate of lead. Cut and burn stalks

MELON LOUSE or Aphis. Small green aphis. See A Throughout season, usually first in May or June. curl up abnormally.

Attacks Melons, Cucumbers and other curcubits. Also berries.

Carefully remove, burn or bury infested parts of plant der-spray leaves with nicotine solution.

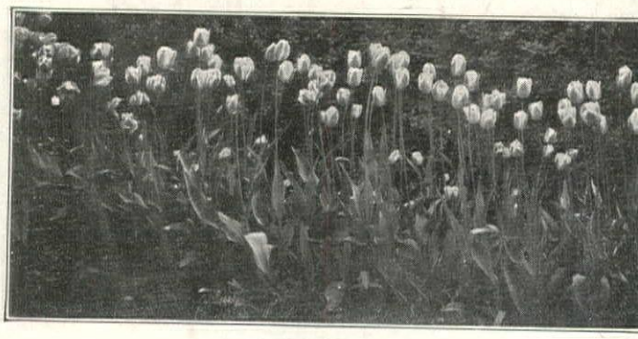


HILL'S EVERGREENS

This winter when the flowers wither and the green leaves fade and fall, Evergreens will be cheerfully peeping through the snow. For never a change do the Evergreens know all the long year through.

Plant during August and September. We will gladly send you, without obligation, an attractive price list especially for Fall planting, showing leading varieties in natural colors.

THE D. HILL NURSERY CO., 301 Cedar Street, Dundee, Ill.
Established 1855
Evergreen Specialists—Largest Growers in America



Shumway's "Pedigreed" Bulbs

All Guaranteed Blooming Size

My contracts with the Holland growers specified *largest sizes.* Therefore in ordering from me you are assured the *choice* of their stock

Plant bulbs in quantity this fall for a gorgeous display of radiant blooms next Spring. For your consideration I have selected a few of the outstanding varieties of Darwin and Breeder Tulips.

Name	*Color*	Price per hundred
Pride of Haarlem	Rose Carmine	$4.50
Clara Butt	Salmon Pink	4.25
Zulu	Almost Black	4.25
Dream	Delicate Lilac	4.50
Bartigon	Carmine Crimson,	5.75
Baronne de La Tonnaye	Vivid Pink	4.50
Golden Bronze	Golden Hue	5.00
Cardinal Manning	Rosy Violet	5.00

Special collection of above:
800 bulbs—100 of each . $35.00
400 bulbs— 50 of each . 18.00

Superfine Collections

Largest Size Bulbs

	Varieties	*100*	*50*
Darwin Tulips	12	$3.75	$1.95
Breeder Tulips	10	4.00	2.10
Cottage Tulips	8	3.50	1.85
Crocus	5	2.50	1.30
Narcissus	5	5.00	2.75

All Prices Include Transportation Charges to Your Home

Illustrated catalog lists a great variety of Tulips, Narcissi, Hyacinths, Crocus, Peonies, Lilies, etc. Sent free on request. Write for it today.

R. H. SHUMWAY, Seedsman, Dept. A, Rockford, Ill.
(Established 1870)

GETABLE GARDEN PESTS

OMATO WORM. Large, green, horned caterpillar, often several inches long.
om mid-summer to early fall; strips foliage clean, making icuous inroads.
acks Tomatoes and Tobacco chiefly.
ay with arsenate of lead. Hand-pick into can or pail, and late in fall.

ST. "Rusting" or yellowing of foliage or stalks.
Through season, especially late June to August.
acks various vegetables, especially Celery, Beans and As-us.
oid working when foliage is wet; successive spraying with aux. On maturing Celery use amoniacal solution of copper ate.

America's Greatest Garden

The First Complete History of

THE ARNOLD ARBORETUM

of Harvard University

by

Ernest H. Wilson, M.A., V.M.H.
[CHINESE WILSON]

A magnificent volume of the work and history of the greatest garden achievement in America in the propagation and acclimatization of many horticultural species. Contains invaluable data for garden lovers, professional and amateur gardeners.

Fifty Exquisite Full Page Illustrations

PRICE $3.00

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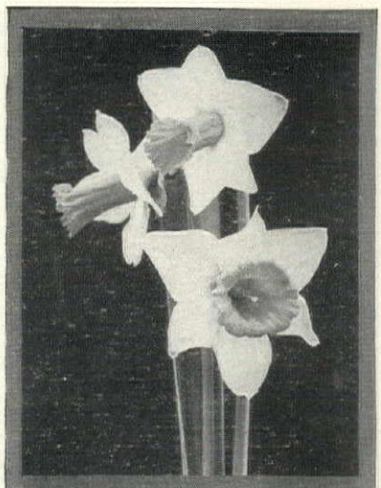


Opportunity!

Seldom repeats itself, but if by any chance you failed to buy Schling Quality Bulbs at our import prices of May and June, you will be glad to learn that we still can offer a limited number of the collections listed below *during the months of July and August only*, at prices far below those that will obtain later.
(NOTE—these are all top size, first quality bulbs in collections of named varieties—not mixed. Plant each variety separately and learn to appreciate its individual charm and beauty.)
(Collections in units of 100 only—our selection of varieties.)

100 Single Early Tulips in 10 named varieties	$5.00
100 Double Early Tulips in 10 named varieties	6.00
***100 Darwin Tulips** in 10 named varieties. Immense flowers on stems 2½ feet tall	5.00
***100 Cottage Tulips** in 10 named varieties. The Tulips of Grandmother's garden	5.00
***100 Breeder or Art Tulips** in 5 rare named varieties. In form like Darwins, wonderful pastel shades	7.00
100 Grape Hyacinths, Heavenly Blue—Delightful in the Border or Rockery	4.00
100 Daffodils, double varieties	7.00
100 Daffodils, large trumpets (Jonquils)	6.00
***100 Poet's Narcissi**	5.00
100 Crocus, in 4 colors	3.00
Total value	$53.00

Special Offer The above collection of 1000 choice bulbs . $45.00

*Bloom in May and June. All the rest bloom in April and May,—the crocus earliest of all, as soon as the snow melts.

Two Very Special Bulb Offers

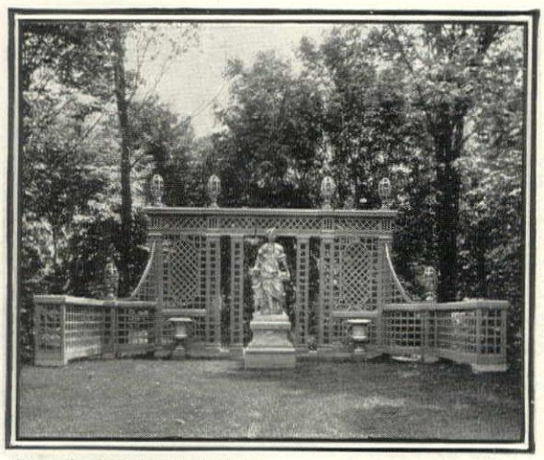
100 DARWIN TULIPS for only . . $3.50
Choicest, first-class bulbs, sure to bloom. Special Mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold.
A $6 value for only $3.50, or if you prefer, 50 bulbs for $2.35

The Heralds of Spring
200 of these lovely Spring beauties—20 each of the following 10 named varieties for $7.00
Snowdrops (double); Snowdrops (single); Glory of the Snow (Blue); Heavenly Blue Grape Hyacinths; White Grape Hyacinths; Blue Squills (Scilla sibrica); Blue Bells (Scilla campanulata); White Blue Bells, Wood Hyacinths (Scilla Nutans); Winter Aconites.

Schling's Bulbs
618 Madison Ave.
Near 59th St. New York City

FATHER OF TREE SURGERY
JOHN DAVEY

DAVEY
ree Surgeons
e local to you
real Davey Tree Surs in the employ of The Tree Expert Company, nd the public is cautioned t those falsely repreg themselves.
hout cost or obligation ir part, we will be glad to ur local representative exyour trees and advise you heir condition and needs.
out this ad and attach to etter-head. Mail today.
ave your trees!
AVEY TREE EXPERT CO., Inc.
y Bank Building, Kent, Ohio



Design by E. H. Bennett, Architect

And Amid the Cool Foliage This Crowning Touch

And what a *vital* touch! What a welcome relief from prosaic fences are these beautifully artistic *lattice enclosures!*

During 26 years of specialization, Hartmann-Sanders craftsmen have produced a rare combination of charm and stability in this and other garden architecture. Due to big volume, prices are unusually attractive.

Our elaborately illustrated catalog is filled with suggestions for beautifying your grounds. Send 30c for Catalog P-34. Address Hartmann-Sanders Co., 2187 Elston Ave., Chicago, Illinois. (Eastern Office and Showrooms, 6 E. 39th St., New York City)

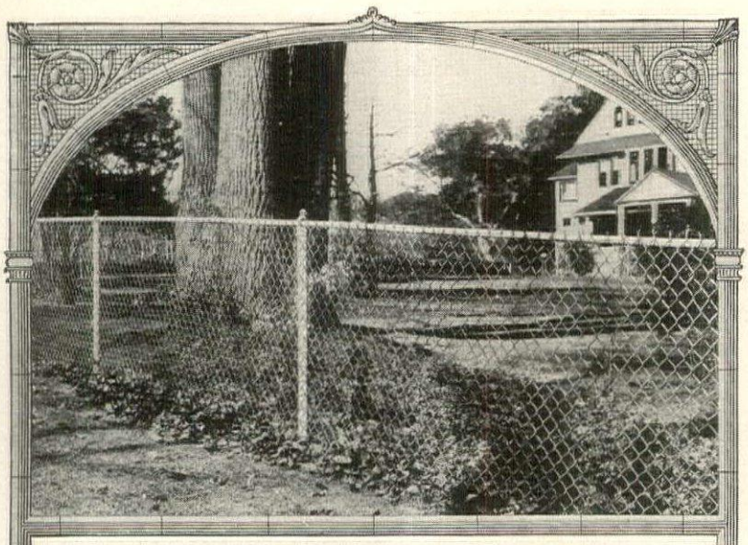
HARTMANN-SANDERS

Colonial KOLL LOCK-JOINT COLUMN *Columns*
THEY CANNOT COME APART

Pergolas
Colonial Entrances
Rose Arbors

Garden Furniture and Accessories

102



Beautiful Grounds Need Protection

Enclose yours with non-climbable Page Fence and watch them increase in beauty and value.

A super-heavy zinc coat applied after weaving, approximately *5 times heavier* than that on ordinary galvanized wire, makes Page the most durable, economical fence made. A Distributor near you will furnish plans and estimates promptly. Write for his name and for illustrated booklet, "FENCES FOR PROTECTION AND BEAUTY." No obligation—a postal brings it. Address

PAGE FENCE & WIRE PRODUCTS ASS'N
215 N. Michigan Ave., Dept. 78, Chicago, Ill.

Distributing Wire Link Products made by the Page Steel & Wire Company, Bridgeport, Conn.

District Offices: Chicago New York Pittsburgh San Francisco
An Associate Company of the American Chain Co., Inc. Bridgeport, Conn.

TRADE-MARK
"America's First Wire Fence, 1883"

PAGE FENCE

VEGETABLE GARDEN PES

MILDEW. Whitish coating or spotting of the f spreading rapidly.

Favoring conditions same as for blight; also crowded f

Attacks Cucumbers, Melons, Lima Beans, etc.

Spray with Bordeaux every week or ten days.

BLIGHT. Usually a yellowish or spotting of the f spreading rapidly.

Throughout season, especially in muggy weather and closed places.

Attacks Potatoes, Beans, Celery, Cucumber, etc.

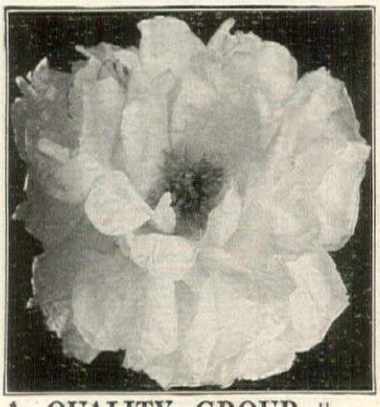
Spray with Bordeaux at or before first signs and repea quently to keep all growth covered.

LEAF SPOT or Rot. Spots in leaves, stems or fruit, t brown or black.

Throughout season, especially in warm weather after spells.

Attacks Tomatoes, Beans and others.

Bordeaux mixture, removing surplus foliage, and thinni fruits that touch.



A QUALITY GROUP
Of the Finest Peonies

Connoisseurs will recognize the value of this group. Le Cygne, a pure white of fine form and substance; Therese, a delicate pink of large size; Philippe Rivoire, a smouldering red, the only really fragrant red peony. These are all prize winners and the three finest peonies of their colors in existence. Therese again won the prize as the best bloom at the American Peony Society show.

Le Cygne	9.9
Therese	9.8
Philippe Rivoire	9.2

(American Peony Society Ratings)

1 Root of Each:
2 Eye Division .. $18.00
3 to 5 Eye Division . $32.00

Until September first we are offering this supreme quality group in large and small divisions at the prices shown. We pre-pay transportation and guarantee delivery in good condition, each plant carrying our unique guarantee that we will replace with three each plant blooming untrue to description.

WRITE FOR OUR MASTER LIST
See our first Quality Group Offering in the July issue of this magazine and watch for the next ones in succeeding issues.

Northbrook Gardens
Paul L. Battey, Prop.
Box JC Glencoe, Ill.

WILSON'S "O. K." *PLANT SPRAY*
The Insecticide Supreme

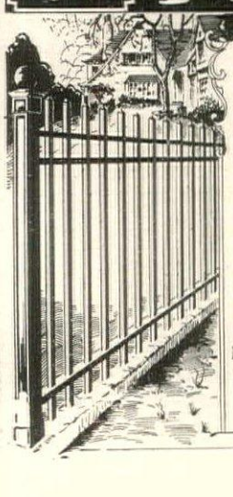
For your Flower and Vegetable garden, Evergreens, etc. For Box Mite, Rose Bugs, Lace Fly, Spruce Gall, Red Spider, Aphis, Thrip and other insects. Recommended by the Officers of the Garden Club of America.

Write for the circular that proves "why bugs leave home"

For Sale by All Dealers
1 gallon can .....$ 3.00
1-5 gallon can 10.00

Andrew Wilson INC.
Springfield, New Jersey

Stewart FENCES Afco

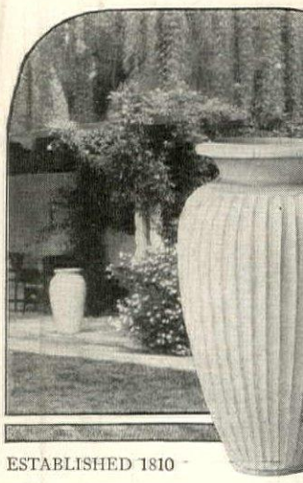


Stewart-Afco Fences combine pleasing appearance with an honesty of construction which resists the ravages of time and keeps trespassers out. They are effective protection and a satisfying investment. Illustrated literature sent on request on either:—

Wrought Iron Fences, or Chain Link Fencing

THE STEWART IRON WORKS CO., (Incorporated) 422 Stewart Block, Cincinnati, Ohio

AMERICAN FENCE CONSTRUCTION COMPANY 132 West 34th Street, New York, N. Y.



ESTABLISHED 1810

GALLOWAY POTTERY

Galloway Pottery a interest to the g den, sun room and h These high fired strong durable terra cottas incl shapely Jars, Bird Ba and Fonts, Flower Va Pots and Boxes, Gaz Globes, Benches, etc.

A collection of over 300 at tive numbers is shown in our c logue, which will be sent u receipt of twenty cents in sta

GALLOWAY TERRA COTTA
3218 WALNUT ST. PHILADELP

GARDENER'S SCRAP BOOK

t time to transplant or divide Oriental Poppies is in
nmer or early fall, when they begin to make new
the apparent death which overtakes them in July.
et clumps or divisions should be given a light protec-
, which is left in place until the following spring.

SUS plantings which have been established a long
netimes lose quality because of overcrowding of the
may be dug up after the leaves have withered and
er at once or at the regular time in the fall. Bone
xcellent stimulant if the soil is inclined to be im-

native ferns are among the best plants for heavily
places. They may be put in now, setting them in
l that is well drained. Give them a thorough water-
d after planting.

Perfect Drives!
quickly obtained ~ easily maintained

The perfect driveway is readily obtained and easily maintained by the use of Solvay Flake Calcium Chloride, a clean, white, deliquescent, chemical salt which has the peculiar property of attracting moisture to itself, and quickly combining with the surface to which it is applied.

While absolutely odorless, and harmless to rubber tires and shoes, horses' hoofs, clothing, etc., Solvay Flake Calcium Chloride is a sure destroyer of weeds as well as a perfect surface binder and dust preventive. It will not track or stain.

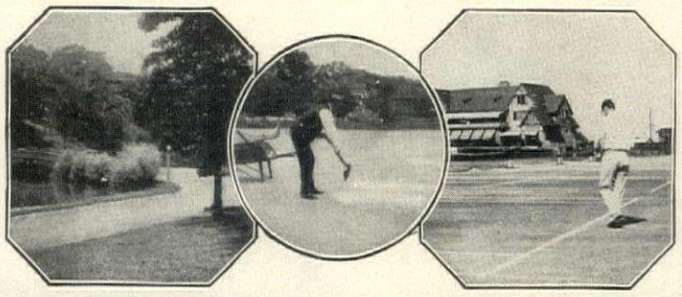
Tennis courts, too, are made faster, better!

Solvay is ideal for tennis courts—prevents dust and weeds, keeps the court hard and resilient and relieves sun glare.

Packed in air-tight steel drums, Solvay comes all ready to apply; a shovel is all you need to do the work properly.

Write today for booklet 1357
THE SOLVAY PROCESS COMPANY
Wing & Evans, Inc., Sales Department
40 Rector Street New York

SOLVAY
CALCIUM CHLORIDE



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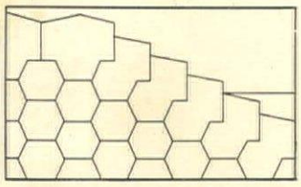
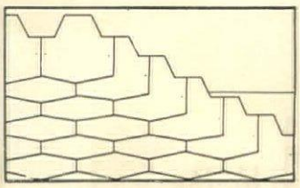


PRESTON *Hexo - diamond Shingles can be laid two ways. With the points upward a series of hexagons is formed. With the points down, an entirely different pattern is produced. The roof then takes on a charming thatched effect that suggests the countryside of England. Both patterns are produced with the same number of shingles.*



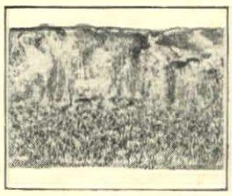
IN *both patterns the roof is covered with two or more thicknesses of shingles over its entire surface. Preston shingles are self - spacing. Anyone experienced in applying ordinary shingles will find Preston roofing to be extremely simple. There is no assorting of colors necessary and no possibility of discord in the color combinations.*

PRESTON Hexo-diamond Sunset Shingles give individuality to any home whether it is a cottage or a mansion. The soft mellow tones harmonize perfectly with nature's colors. They are produced by the natural tints of slate and stone with which these shingles are surfaced. With a Preston Roof, a house is never uninteresting or commonplace.

Roofing shingles should possess three qualities: Appearance, Long Life and Reasonable Cost. Preston Shingles embody all these to an unusual degree. They are harmonious in color. They have proved their wearing qualities and their cost is within the reach of any house-owner.

Preston Hexo-diamond Shingles are made in three thicknesses, Heavy Standard, Extra Heavy and Massive. The Massive is much thicker than any other slate coated, asphalt shingle on the market. This thickness not only adds to the life but also to the appearance of a Preston Roof. There is a definite shadow line that architects demand. In addition to the Sunset brand, Preston Shingles are also made in three solid colors, red, blue-black and green.

Let us send you an attractive booklet, "The Magic Touch of Preston Shingles", and also the name of a dealer or contractor in your neighborhood who can supply you. There is no obligation.



Microscopic Enlargement

THE wearing qualities of Preston Shingles are dependent not only on the quality but also on the quantity of asphalt which each shingle contains. If you examine the edge of a Preston Shingle you will notice that it is practically a solid body of asphalt. This feature of Preston Shingles accounts for their remarkable wearing qualities.

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